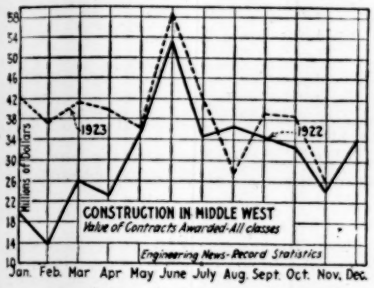
# CONSTRUCTION NEWS

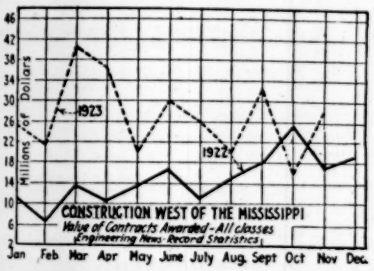
*Engineering News-Record, December 20, 1923*

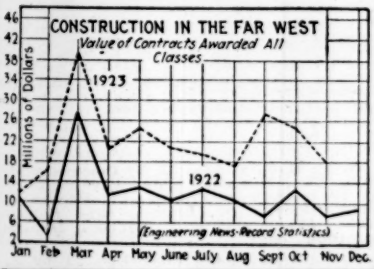
## The Construction Barometer

### *Favorable Weather Stimulates Building in Northeastern States—Contracts Gain West of Mississippi—Other Industries Slow*

FAVORABLE weather conditions throughout the country have greatly stimulated construction, particularly in New England and the Middle Atlantic states. During November, however, the group of states immediately west of the Mississippi, was the only one to show a gain in value of contracts let. While the grand total of December awards, for the entire nation, will probably show a slight seasonal drop from the month preceding, that section of the country embracing the eleven Northeastern states, will undoubtedly register a gain over the November total. This marked activity in winter construction will serve to offset the seasonal slowdown now evident in general industrial operations.


CONSTRUCTION IN MIDDLE WEST
Value of Contracts Awarded-All classes
Engineering News-Record Statistics
1923
1922
Millions of Dollars
Jan. Feb. Mar Apr May June July Aug. Sept. Oct. Nov. Dec.


CONSTRUCTION WEST OF THE MISSISSIPPI
Value of Contracts Awarded-All classes
Engineering News-Record Statistics
1923
1922
Millions of Dollars
Jan. Feb. Mar Apr May June July Aug. Sept Oct Nov Dec.


CONSTRUCTION IN THE FAR WEST
Value of Contracts Awarded All Classes
1923
1922
Millions of Dollars
(Engineering News-Record Statistics)
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec.

### *Engineering News-Record Statistics*

**VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES**

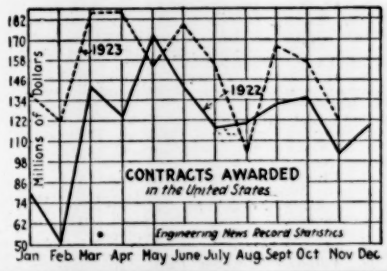
| Week Ended | Public Work | Private Work | Total Contracts |
|---|---|---|---|
| Nov. 29 | $10,298,000 | $25,020,000 | $35,318,000 |
| Dec. 6 | 9,806,000 | 20,846,000 | 30,652,000 |
| Dec. 13 | 10,775,000 | 16,335,000 | 27,110,000 |
| 3 Weeks | $30,879,000 | $62,201,000 | $93,080,000 |

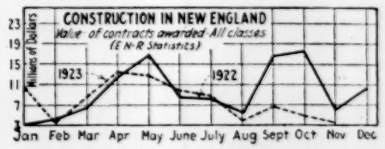
**LARGE BUILDING CONTRACTS—NUMBER AND VALUE**

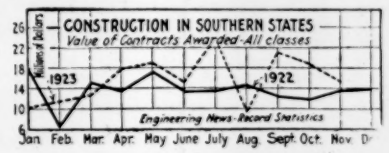
| Week Ended | No. | Public Work | No. | Private Work |
|---|---|---|---|---|
| Nov. 29 | 10 | $2,165,000 | 30 | $12,810,000 |
| Dec. 6 | 20 | 5,034,000 | 49 | 14,770,000 |
| Dec. 13 | 16 | 3,567,000 | 28 | 9,576,000 |
| 3 Weeks | 46 | $10,766,000 | 107 | $37,156,000 |

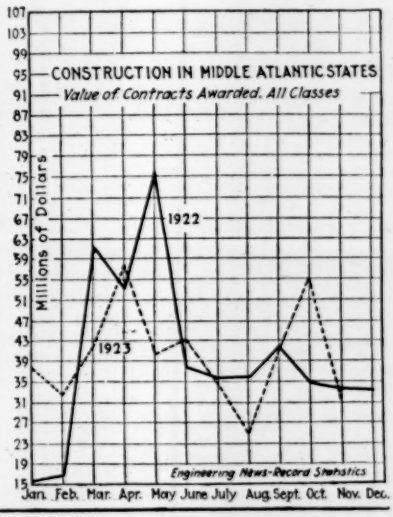
**FLUCTUATION IN LUMBER—OTHER BASIC PRICES FIRM**

| | Quoted on Dec. 20, at | Price was | On |
|---|---|---|---|
| Structurals, Pittsburgh, 100 lb. | $2.50 | $2.50 @ 2.60 | June 21 |
| Cement, Chi., net bbl. | 2.10 | 2.20 | Nov. 22 |
| Pine, N. Y., M.ft. | 59.00 | 57.00 | Dec. 13 |
| Fir, San Fran., M.ft. | 38.00 | 41.00 | Dec. 13 |
| Common labor, hr. | .54 | .53 | June 28 |





CONSTRUCTION IN NEW ENGLAND
Value of contracts awarded-All classes
(E.N-R Statistics)
1923
1922
Millions of Dollars
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec.


CONSTRUCTION IN SOUTHERN STATES
Value of Contracts Awarded-All classes
Engineering News-Record Statistics
1923
1922
Millions of Dollars
Jan Feb Mar Apr May June July Aug Sept Oct Nov D


CONSTRUCTION IN MIDDLE ATLANTIC STATES
Value of Contracts Awarded. All Classes
1922
1923
Millions of Dollars
Engineering News-Record Statistics
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.

**Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.**

## Waterworks

**PROPOSED WORK**

**Fla., Fort Myers**—Dec. 28 to vote on $80,000 bond issue for mains. F. E. Smith, clk.

**Tenn., Union City**—Soon takes bids improving water system, sewers and light plant $125,000. Noted Nov. 29.

**O., Ashtabula**—Ashtabula Water Co., had sketches made extending filter plant. $150,000. J. N. Chester, Engineers, Union Bank Bldg., Pittsburgh, engrs. Noted July 26.

*Proposals will appear next week as usual.*

**Wis., Oconomowoc**—Making plans 300,000 gal. steel tank, incl. approximately 1,700 ft. 12 in. Class C pipe. J. A. Stemper, City Hall, engr.

**Kan., Russell**—City voted $95,000 bond issue for improvements and extension to water works system. Noted Nov. 22.

**Neb., Kearney**—Election in January to vote on $132,800 bonds for waterworks improvements. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs. Noted Aug. 26.

**Neb., University Place** (Lincoln P. O.)—Defeated $100,000 bonds for waterworks improvements. Fulton & Letton, Bankers Life Bldg., Lincoln, engrs. Noted Nov. 22.

**Mont., Missoula**—Apr. 2 to vote on $950,000 bonds for new water supply and distribution system. Burns & McDonnell Eng. Co., 404 Marsh-Strong Bldg., Los Angeles, Calif., engrs. Noted Nov. 15.

**Mo., Palmyra**—Voted $15,000 bonds water tower. Noted Nov. 1.

**Mo., Piedmont**—Dec. 22 to vote on $40,000 bonds water works and distribution system. Defeated at previous election by slight margin. W. A. Fuller Co., 1917 Ry. Exch. Bldg., St. Louis, engrs. Noted Nov. 8.

**Mo., Thayer**—Defeated $50,000 bonds waterworks. At election held several weeks ago proposition carried but opponents successfully opposed legality of election and new vote was ordered. Noted Oct. 18.

**Tex., Cisco**—W. B. Statham, city secy., takes bids latter part of month 650 ft. 14 in. Bell and Spigot c.i. pipe, 16,500 ft. 14 in. Class B and 500 ft. 14 in. Class C pipe, 2 tons special castings, miscellaneous valves, etc. Alternates on Universal and concrete pipe. Elrod Eng. Co., 3206 Elm St., Dallas, engrs.

**Tex., Lamesa**—Having plans prepared complete waterworks system. $40,000. Elrod Eng. Co., 3206 Elm St., Dallas, engrs.

Waterworks (Continued)

**Tex., Malone**—City voted $40,000 bonds complete water system. Elrod Eng. Co., 3206 Elm St., Dallas, engrs. Noted Nov. 29.

**Tex., Mart**—Jan. 28, to vote on $150,000 bonds reservoir and new mains with pumps. Koch & Fowler, Central Bank Bldg., Dallas, engrs.

**Okla., Altus**—Surveys being made enlarging and raising dam and spillway at Bitter Creek. $27,000. C. Reid, city engr.

**Okla., Carter**—Surveys being made for new waterworks system, well, elevated tank, and distribution fittings. $28,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

**Okla., Okmulgee**—Election in January to vote on $3,700,000 bonds for 45 mi. pipe line, 2 pumping stations, 10 m.g. reservoir and distribution system, Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs.

**Okla., Stillwater** — Preliminary plans in progress waterworks extensions and dam. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted July 26.

**Wash., Wapato**—City Council making plans and takes bids about Jan. 5, replacing wooden mains with 18,000 ft. 4, 8 and 10 in. c.i. mains.

**Calif., Oakland**—City plans 240 fire hydrants and 6, 8, 12, 20 and 24 in. mains, East Bay Water Co., 512 16th St., will install mains, city to pay 8% of cost to company each year. $615,000.

**Calif., Orange**—Plans to vote on bonds for purchasing two 1,000 gal. pumps, 10,000 ft. c.i. water pipe and hydrants, also $40,000 bonds for 1 m.g. reservoir.

**Ont., Port Elgin**—Plans to install electricity driven auxiliary waterworks pumps. $25,000. A. McClaren, chn. com.

### BIDS DESIRED

**N. Y., Brooklyn**—Dec. 24, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Bedford, Livonia and Morgan Aves. etc., here.

**Md., Baltimore**—Dec. 26, by Bd. Awards, 400,000 lb. pig lead for water dept. V. B. Siems, City Hall, water engr.

**Miss., Belzoni**—Jan. 10, concrete reservoir, concrete foundation for building and machinery, coal conveying machinery, two 500 g.p.m. motor driven centrifugal pumps, one 500 g.p.m. synchronous motor driven pump, one 1,000 g.p.m. motor driven fire pump, one 1,000 g.p.m. steam fire pump, 2 turbine driven centrifugal boiler feed pumps, 1 steam boiler feed pump, two 350-400 brake-hp. full diesel oil engines with generators, 1 building for either oil or steam plant, etc. J. J. Sisloff, supt. water and light plant.

**O., Columbus**—Dec. 28, by Franklin Co. 2,005 ft. 6 in. c.i. mains and 1,050 ft. 8 in. extra strong lead pipe in Sewer Dist. Clinton 2, Contr. 32 $6,000, 6,365 ft. 6 and 10 in. c.i. mains in Sewer Dist. Clinton 2, Contr. 27, $14,000; 4,446 ft. 8 in. vitr. sewer in Sewer Dist. Clinton 2, Contr. 31, $10,000.

**Ind., South Bend**—Jan. 16, by Bd. Pub. Wks., City Hall, reserve pumping unit. $30,000. J. W. Joyne, engr.; adv. E. N.-R. Dec. 20.

**Ia., Ames**—Jan. 7, constructing 18 in. well, 100 ft. deep, and installing pumping equipment. A. B. Maxwell, clk.

**Mo., Holden**—Dec. 18, by E. E. Harper, engr., 3031 Park Ave., Kansas City, waterworks improvements, incl. filter house, small pump house, extending and increasing height of dam, chlorine equipment, 100,000 gal. tank on 120 ft. tower, 4,250 g.p.m. centrifugal pumps, valves, hydrants, etc., here. Noted Oct. 4.

**Mo., St. James**—Jan. 10, by W. H. Powell, mayor, waterworks improvements consisting of 75,000 gal. tank on 125 ft. tower, deep well and 100 g.p.m. deep well pump, etc. $33,000, also sewer lines and septic tank, $12,000. Alexander Eng. Co., Springfield, engrs. Noted Aug. 23.

**Okla., Oklahoma City**—Jan. 15, by M. Pershek, Jr., city clk., improving water supply; adv. E. N.-R. Dec. 20.

**Calif., Burbank**—Jan. 8, by F. S. Webster, city clk., 1 deep well centrifugal or turbine pump, 1,350 g.p.m. capacity, also drilling 16 in. well between 150 and 200 ft. deep, using No. 12-guage well casing.

**Ont., Ford City**—Dec. 27, by R. B. Braid, secy. Essex Border Utilities Comn., Heintzman Bldg., Windsor, water purification plant here incl. rein.-con. filters, coagulating basins, pure water reservoir, office building, etc., supplying 42 in. steel pipe, c.i. pipe and specials, valves and sluice gates, rate controllers and operating tables. Core, Nasmith & Storrie, 625 Confederation Life Bldg., Toronto, engrs.

### BIDS RECEIVED

**N. Y., Buffalo**—Commissioner Pub. Wks., Municipal Bldg., standard and special 10, 12, 16 and 24 in. c.i. pipe castings for Buffalo Filter Plant, Contr. 11, from Fillmore Ave. Fdry. & Iron Wks., Inc., 153 Fillmore Ave., Schedule A $2,972, Schedule B $3,406, other items $2,826, total for entire work $9,204; Bowler Fdry. Co., 1688 Columbus Rd., Cleveland, O., Schedule A $143, per ton, Schedule B $124, 40 flanged ells, etc. $158; R. D. Wood & Co., 400 Chestnut St., Phila., material in lists A and B at an average price of $0.085 per lb., f.o.b. foundry with freight allowed to Buffalo; U. S. Cast Iron Pipe & Fdry. Co., 957 East Ferry St., Item 1 AQ $0.055 per lb., Item 2 AP $0.055 per lb. Item 3 AO $0.04 per lb., Item 4 AN $0.055 per lb., Item 5 AM $59.80 per net ton, Item 6 AL $0.055 per lb., Item 7 AK $0.055 per lb., Item 8 AJ $0.07 per lb., Item 9 AH $59.80 net ton, Item 10 AG $0.055 per lb., Item 11 AF $0.06 per lb., Item 11 AF $0.06 per lb., Item 12 AE $0.055 per lb., Item 13 AB $0.055 per lb., Item 14 AA $0.055 per lb., Special Items forty 24 in. flanged ¼ bends $0.075 per lb. Noted Nov. 29.

**Ill., Villa Grove**—Pumping station and equipment incl. 20 hp. electric motor and deep well pump, from Meister Bros., Tuscola, $15,391.

**Minn., Minneapolis** — F. S. Gram, city purch. agt., Dec. 5, bell and spigot c.i. pipe, from Amer. Cast Iron Pipe Co., Acipco St., Birmingham, Ala., 50,000 lin.ft. 6 in. Class C, 16 ft. lengths, $0.995, 12,000 lin.ft. 8 in., Class C, 16 ft. lengths, $1.445, 6,000 lin.ft. 12 in. Class B, 12 ft. lengths, $2.285, 1,400 lin.ft. 16 in., Clas C $3.48 per ft. Noted Nov. 29.

**Minn., St. Paul**—H. W. Austin, city purch. agt., Dec. 4, furnishing and delivering 88,440 lin.ft. Class B. c.i. pipe in 12 ft. lengths about 2,925 tons, from Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., 6, 8 and 12 in. $55.66 per ton, Glamorgan Pipe & Fdry. Co., The Rookery, Chicago, 16 and 20 in. $55.55 per ton, 19 tons c.i. water specials from Hammond-Byrd Iron Co., American Trust Bldg., Birmingham, Ala., $2,406. Noted Nov. 29.

**Wash., Seattle**—Bd. Pub. Wks., constructing Lake Youngs reservoir project, incl. intake, outlet conduit controlling works and pipe lines, from Jahn & Bressi, New York Bldg., $1,210,759; Goetz & Brennan, Seaboard Bldg., $1,226,471. Engrs. est. $1,200,000. Noted Nov. 15.

**Wash., Seattle**—Bd. Pub. Wks., Dec. 7, installing mains in East Northlake Ave., et al., from R. G. Stevenson, 1327 North 34th St., 3,055 ft. 12 in. pipe $4, 1,575 ft. 8 in. $2.25, total $19,898. Engrs. est. $21,526.

### CONTRACTS AWARDED

**N. Y., Brooklyn** — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Aves. N and O, etc., to Grippo Contg. Co., 85 Webster Ave., Long Island City, $16,800. Noted Nov. 29.

**N. Y., New York** — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bayview, Griswold Aves., etc., to Melrose Constr. Co., 103 East 125th St., $15,500. Noted Nov. 15.

**N. J., Clifton**—Passaic Valley Sewerage Comrs., 900 Chamber of Commerce Bldg., 24 Branford Pl., Newark, pumping machinery and equipment for Yantacaw Pumping Station, here, to Turbine Equipment Co., 30 Church St., New York City, $27,775. Noted Nov. 29.

**O., Cleveland**—For 30 in. and 24 in. c.i. mains in Woodhill Rd., Contr. 32, Sects. N and S, to Winterbottom-Connelly Co., 2997 Meadowbrook Blvd., Cleveland Heights, $126,690 and $117,645 respectively. Noted Nov. 29.

**O., Toledo**—Director Pub. Serv. synchronous motor driven centrifugal pump, 35 m.g. capacity, to Dravo-Doyle Co., Diamond Bldg., Pittsburgh, $26,000. Noted Nov. 22.

**Kan., Lenora**—Constructing Waterworks system, incl. 2,600 lin.ft. 6 in. and 13,100 lin.ft. 4 in. Class B c.i. pipe in place, 2,400 lin.ft. galvanized pipe in place, 50,000 gal. tank on 80 ft. tower with 36 in. steel riser pipe erected, etc., to Burt & Tripp, Hutchinson, $25,729. Noted Oct. 11.

**Minn., St. Paul**—H. W. Austin, city purch. agt., 72 tons steel reinforcing bars to Kalman Steel Co., 514 Merchants Natl. Bank Bldg., $5,000; 40 tons pig lead in 100 lb. pigs, to Nassau Smelting & Refining Co., Oppenheim Bldg., $5,560; 6 sluice gates, gate stands and 1 electric motor operating device, to Michigan Valve & Fdry. Co., Amer. Trust Bldg., Detroit, Mich., $8,614; three thousand ¾ in. corporation cocks, three thousand ¾ in. inverted key curb stops and five hundred ¾ in. tail pieces, to Union Brass & Metal Mfg. Co., Lawson and Mackubin Sts., $3,390; three hundred 1 in.; one hundred 1¼ in. and fifty 2 in. tail pieces, to H. Mueller Mfg. Co., 512 West Cerro Gordo St., Decatur, Ill., $2,354; 1,030 lin.ft. 36 in. concrete pipe to Massey Concrete Products Corp., 817 Merchants Natl. Bank Bldg., $4,944; 3,580 disc type cold water meters, to Badger Meter Co., 30th and Meinecke Aves., Milwaukee, Wis., $29,455. Noted Nov. 15 and Nov. 22.

**Mo., Greenfield**—See "Sewers."

**Tex., Dallas** — W. W. Samuels, Medical Arts Bldg., 1¼ mi. mains in Kessler Highlands, to J. D. Winslett, 4902 Eastside St., $15,000.

**Wash., Bellingham**—Furnishing 520 tons 4-12 in. De Lavaud centrifugally c.i. pipe, to U. S. Cast Iron Pipe & Fdry. Co., Colman Bldg., Seattle, $29,904. Noted Nov. 1.

## Sewers

### PROPOSED WORK

**Conn., Manchester** — Selectmen appropriated $50,000 for storm water sewers.

**N. Y., Albany** — Takes bids in January 2,200 ft. sewer in Russell Rd. to drain area near 17th Ward School, $50,000; 3,000 ft. sewer in Manning Blvd., $65,000. J. G. Brennan, City Hall, engr.

**N. Y., Rensselaer**—Takes bids Jan. 5, 4,000 ft. sewer in Forbes Ave. east from 9th St. $42,000. A. J. Kaufman, City Hall, engr.

**Fla., Fort Myers**—Dec. 28 to vote on $75,000 bonds for sanitary sewers and $70,000 for storm sewers.

**Tenn., McKenzie**—Soon takes bids general sewerage system. $86,000 bonds sold. H. C. Bryant, city clk.

**O., Kenmore**—R. E. Garvin, engr., Davis & Farley Bldg., Cleveland, submitted preliminary report for disposal plant, here. $300,000. Noted Oct. 4.

**Wis., Oshkosh**—Making plans vitr. clay sanitary sewers in Jefferson, Sawyer, 9th and Osborn Aves., Beach, Cedar, Maple, Arizona, Michigan and Walter Sts., also miscellaneous cross sewers. $25,000. G. Randall, City Hall, engr.

**Minn., Rochester**—Defeated $300,000 bond issue for sewage disposal plant. Rubling, Holdsworth & Hudson, Rochester, engrs. Noted Nov. 2, 1922.

**Kan., Salina**—Election about Feb. 1 to vote on $225,000 bonds for disposal plant. C. A. Haskins, 517 Finance Bldg., Kansas City, Mo., engrs.

**Neb., Kearney**—Election in January to vote on $165,000 bonds for storm sewers. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs.

**Mo., Norborne**—See "Waterworks."

**Mo., St. James**—See "Waterworks."

**Calif., Elsinore**—Election soon to vote on $28,000 bonds sewer improvements. Burns & McDonnell Eng. Co., 415 Marsh-Strong Bldg., Los Angeles, engrs.

**Ont., Windsor**—Plans extending sewers. $50,000.

### BIDS DESIRED

**Mass., Boston** — Dec. 20, at office of Metropolitan Dist. Comn., 1 Ashburton Pl., constructing Sect. 72, New Mystic Sewer, North Metropolitan System, in Winchester and Woburn, 2,362 lin.ft. earth excav. and refilling in trench for 30 x 31 in. concrete sewer, 1,114 lin.ft. earth excav. and refilling in trench and laying pipe for 20 in. Akron pipe sewer, 40 cu.yd. brick masonry in manholes and special structures, portland cement mortar, etc. G. L. Rogers, secy.

**N. Y., Buffalo**—Dec. 27, by Commissioner Pub. Wks., Municipal Bldg., 4,700 ft. 10-24 in. tile sewers in Taunton Pl., Brunswick Blvd., Houston St., Elmwood and Roland Aves. $25,000. C. E. P. Babcock, Municipal Bldg., engr.

**N. Y., Long Island City**—Dec. 22, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., reconstructing outlet sewer in lines of 43rd and 51st Sts. and in Flushing Bay, etc.

**N. J., Long Branch**—Jan. 2, by Bd. City Comrs. sewerage system together with pumping station. J. W. Seaman, city engr.; adv. E. N.-R. Dec. 20.

**Md., Baltimore**—Dec. 26, by Bd. Awards 4,200 ft. of 8-27 in. sanitary sewers, Dist. 24-B Trunk Sewer, Sanitary Contr. 208, $85,000; 6,400 ft. 8-48 in. sanitary and storm drains in Dist. 50 and G-11, Storm Water Contr. 63, $70,000. B. L. Crozier, highways engr.

**O., Columbus**—See "Waterworks."

**Minn., St. Paul**—Dec. 26, by H. W. Austin, city purchasing agt., sewer junction between old and new sewer tunnels and lining 500 ft. new tunnel. $35,000. G. M. Shepherd, city engr.

**Mo., Farmington**—Dec. 20, by S. F. Iseman, city clk., City Hall, 62,862 lin.ft. 8-15 in. vitr. clay, and 360 lin.ft. 8-15 in. c.i. sewers, disposal plants, 63,567 lin.ft. 0-24 ft. trench and backfill, etc. $85,000. C. A. Haskins, 517 Finance Bldg., Kansas City, engr. Noted Nov. 15.

Sewers (Continued)

**Mo., Maplewood (St. Louis P. O.)**—Dec. 26, by G. D. Komar, city clk., City Hall, 9,800 ft. 8-36 in. vitr. clay and 200 ft. 42 in. segmental block sewer in Laclede Rd. Dist. Sewer 1. $90,000. A. H. Beard, 616 Title Guaranty Bldg., St. Louis, engr.

**Calif., Los Angeles**—Bd. Pub. Wks. taking bids Sect. 4 north outfall sewer, 11,487 lin.ft. monolithic concrete sewer, 10 ft. high, 12 ft. wide, laid in open trench, 15 in. walls, vitr. clay block lining. Former bids rejected. Noted Dec. 13.

**Calif., Newport Beach**—Dec. 24, by City Council, cement concrete sanitary sewers, flush tanks, pumping stations, septic tank on Balboa Island, Municipal Impvt. Dist. No. 3. To exceed $100,000. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, engr.

**Calif., Torrance**—M. C. Halsey, engr., 661 Pacific Electric Bldg., Los Angeles, receiving bids 1,200 ft. 24 in., 1,200 ft. 8 in. and 1,200 ft. 6 in. vitr. or cement sewer pipe, here, for Pacific Electric Ry. Co., Pacific Electric Bldg., Los Angeles.

BIDS RECEIVED

**O., Cincinnati**—For 400 ft. vitr. and 2,700 ft. 33-45 in. concrete sewer in Marburg Ave., from M. J. Connelly, 326 West Oak St., Ludlow, Ky., $43,000. Engrs. est. $55,850. Noted Nov. 8.

**Tex., Houston**—Storm sewers in Southmore Addition, 1,603 ft. 96 in. monolithic concrete pipe, 15,078 ft. 15-90 in. (a) bitulithic pipe (b) concrete pipe, from C. K. Horton, Box 1025, Houston, (a) $211,912 (b) $209,837. Engrs. est. $300,000.

CONTRACTS AWARDED

**Md., Baltimore**—Sewers and drains in Sanitary Contr. 207, 13,500 ft. 6-48 in., to Adams & Marino Co., 216 St. Paul St., $59,236. Noted Dec. 13.

**Ga., Columbus** — Cook Branch Relief Sewer, to Columbus Constr. Co., Columbus, $37,464.

**Ill., Chicago**—Chicago Sanitary Dist., 910 South Michigan Ave., for Calumet Intercepting Sewer Contr. 1, and 95th St. Pumping Station, Divisions A, B, C, D, E, F, and G, to T. J. Forschner Contg. Co., 125th St. and Michigan Ave. Noted 29.

**Mo., Greenfield**—General contracts improvements to sewers and waterworks, to C. J. McCoy Constr. Co., Emporia, Kan., $39,000 and $6,000 respectively; deep well, to W. M. Edwards Co., Carthage, $3,360; deep well pump and motor, to United Iron Wks., 14th and Joplin Sts., Joplin, $2,250; centrifugal pumps and motors, to Fairbanks-Morse Co., 217 South 8th St., St. Louis, $1,104. Noted Dec. 6.

**Calif., Hollister**—Sewage disposal plant, using concrete pipe exclusive of screens and appurtenances, to Butte Electric Equipment Co., 530 Folsom St., San Francisco, $32,913. Noted Nov. 22.

**Calif., Oakland**—For 15,088 lin.ft. 8 in. vitr. sewer in Laurel St. between Maple and Midvale Sts., to S. De Guarda, 1276 47th Ave., $34,500.

## Bridges

PROPOSED WORK

**Mass., Wilbraham** — State Hy. Comn., Boston, rejected bids Nov. 20, 1 span plate girder, here. To exceed $80,000. Will readvertise after Jan. 1. W. F. Williams, state highway comr. Noted Nov. 22.

**Pa., Media**—Delaware Co. having plans prepared 65 ft. rein.-con. plate girder, Old York Rd. $50,000. R. J. Aydelotte, Media, engr.

**West Virginia**—See "Streets and Roads."

**N. C., Wilmington** — New Hanover Co. plans bridge 125 ft. high over Cape Fear River, to connect Wilmington with Eagle Island. $1,000,000. A. Hewlett, chn.

**Fla., Palatka**—Special Road and Bridge Dist. No. 7 voted $500,000 bond issue for bridge over St. Johns River, here. S. C. Stallings, Palatka, engr. Noted Dec. 6.

**Kentucky** — State Hy. Dept., Nashville, plans 200 ft. steel bridge, two 100 ft. spans on Jackson Rd. over Kentucky River 4 mi. west of Hazard, State Project 4, Sect. B, Perry Co.; 260 ft. steel, two 100 ft. spans on Jackson Rd. over Kentucky River 2 mi. west of Hazard, State Project 4, Sect. B, Perry Co.; 280 ft. steel and concrete, two 100 ft. steel and two 40 ft. concrete spans, State Project 4, Sect. C, Perry Co.; 380 ft. steel and concrete, three 100 ft. steel, two 40 ft. concrete spans on Whitesburg Rd. over Kentucky River, 4 mi. east of Hazard, State Project 4, Sect. C, Perry Co. Substructures will be of concrete or cement rubble masonry. J. S. Boggs, state highway engr.

**Ohio**—See "Streets and Roads."

**Wisconsin**—Following are county appropriations for county aid bridge work. Adams $3,000; Ashland $5,000; Barron $18,355; Bayfield $18,000; Brown $38,600; Buffalo $35,498; Burnett $6,000; Calumet $22,500; Chippewa $36,653; Clark $18,807; Columbia $1,454; Crawford $31,806; Dane $20,000; Dodge $8,075; Douglas $5,525; Dunn $9,470; Florence $6,000; Fond du Lac $10,000; Grant $62,019; Green Lake $456; Iron $5,500; Jackson $9,712; Jefferson $6,002; Kenosha $1,500; Kewaunee $4,461; Lafayette $15,000; Langlade $4,108; Lincoln $6,400; Manitowoc $10,700; Marathon $38,063; Marinette $9,790; Monroe $50,138; Oconto $31,080; Ozaukee $1,500; Pepin $15,000; Pierce $13,269; Polk $2,000; Portage $3,211; Racine $1,200; Richland $34,852; Rusk $10,000; Sauk $3,995; Shawano $34,413; Sheboygan $17,501; Taylor $25,643; Trempealeau $16,177; Vernon $12,078; Waupaca $5,000; Waushara $5,221; Winnebago $10,300; Wood $62,765.

**Wis., Reedsburg** — Sauk Co. (Baraboo) appropriated $30,000 steel and rein.-con. bridge over Baraboo River, here. W. Halbersleben, Baraboo, co. comr. Engineer not selected.

**Minn., St. Paul**—See "Streets and Roads."

**Tex., Ballinger**—See "Streets and Roads."

**Tex., Brady**—See "Streets and Roads."

**Tex., Houston**—Takes bids about Jan. 1, for 80 ft. concrete deck girder bridge over Buffalo Bayou on Smith St. $80,000. J. C. McVea, city engr.

**Tex., Leakey**—See "Streets and Roads."

**Okla., Arnett**—Ellis Co. defeated $180,000 bond issue for bridges. Noted Dec. 6.

**Okla., El Reno**—Canadian Co. had plans prepared 3 span steel truss bridge and approaches, 480 ft. long 2 pneumatic piers, 16,000 cu.yd. earth approach and fill. $80,000. W. C. Burnham, Capitol Bldg., Oklahoma City, engr.

**Wash., Aberdeen** — Making plans and takes bids about Feb. 25, bridges, one over Chehalis River, other over Wishkah River, $200,000 each. Bond voted. E. G. Hunt, city engr. Noted Nov. 22.

**Wash., Hoquiam**—Preparing plans bridge across Hoquiam River on Simpson Ave. $250,000 bonds voted. F. C. Black, city engr.

**Ont., Pembroke**—City Council soon takes bids steel bridge over Muskrat River on St. Marys St. $75,000.

BIDS DESIRED

**N. Y., Buffalo**—Dec. 26 by Commissioner Pub. Wks., Municipal Bldg., reconstructing, renewing and protecting following viaducts, on Elk St., one over New York, Chicago & St. Louis R.R. and one over Erie R.R. tracks; on Van Rensselaer St. over Erie R.R. tracks; on Fulton St. over Lake Shore & Michigan Southern R.R. tracks. To exceed $75,000. C. E. P. Babcock, city engr.

**Tenn., Nashville**—Br. Pub. Wks., City Hall, taking bids repairing and strengthening steel and concrete bridges over Cumberland River on Sparkman and Jefferson Sts. $300,000. Freeland, Roberts & Co., Independent Life Bldg., consult. engrs. Noted Sept. 27.

**Mo., North Kansas City** — See "Streets and Roads."

**Wash., Seattle**—Jan. 11, by Bd. Pub. Wks., concrete viaduct and retaining wall, West Spokane St. J. D. Blackwell, city engr.; adv. E. N.-R. Dec. 20.

BIDS RECEIVED

**Kentucky**—State Hy. Dept., Frankfort, 540 ft. steel superstructure, two 150 ft. and one 240 ft. spans, over Kentucky River, on Lexington-Danville Rd., State Project 25, Sect. A, Garrard and Boyle Counties, from Kentucky Hydro Electric Co., Danville, $44,250; cement rubble masonry substructure, from L. E. Myers, 53 West Jackson St., Chicago, $31,321.

**Ohio**—See "Streets and Roads."

**Tex., Cleburne**—Johnson Co., 360 ft. concrete girder bridge over Buffalo Creek, near here, twelve 30 ft. spans, from McClung Constr. Co., Cleburne, $21,047. Noted Nov. 22.

**Tex., Palestine**—See "Streets and Roads."

CONTRACTS AWARDED

**Pa., Salisbury Junction (Meyersdale P. O.)**—Baltimore & Ohio R.R., Maloney Bldg., Pittsburgh, grade crossing elimination bridge, double track through plate girder span 54 ft. long encased in concrete, near here, to Kelly Atkinson Constr. Co., 189 West Madison Ave., Chicago, Engrs. est. $100,000.

**Kentucky** — State Hy. Dept., Frankfort, 540 ft. steel superstructure, one 240 ft. and two 150 ft. spans, cement rubble masonry substructure, over Dix River, on Nicholasville-Danville Rd., Garrard and Boyle Counties, to F. K. Keller Co., Chicago, $79,634.

**South Dakota**—State Hy. Dept., Pierre, approach to north end of bridge over Missouri River, 553 lin.ft. long, 130,000 lb. structural steel, 61,100 lb. reinforcing steel, 350 sq.yd. asphalt surfacing, to Meridian Highway Bridge Co., Yarkton, $35,673. Noted Oct. 18.

**Tex., Beaumont** — Jefferson Co. bridge over Neches River. Project 328, to A. C. MacFarlane, Orange, $316,613. Noted Nov. 8.

## Dams

PROPOSED WORK

**Okla., Stillwater**—See "Waterworks."

**Calif., Merced**—Merced Irrigation Dist., rejected bids for Exchequer Dam. Will readvertise for gravity section arch type dam. Starr-Thebo-Anderton, Sharon Bldg., San Francisco, consult. engrs. Noted Nov. 22.

**Calif., Willits** — Central Mendocino Co. Power Co. plans Dutch Flat Dam and electric transmission lines from dam to Willits, and from Willits to Potter Valley. $70,000. Noted Mar. 29.

CONTRACTS AWARDED

**Md., Frederick**—City, earth dam on Fishing Creek, to Consolidated Eng. Co., Calvert Bldg., Baltimore, $165,208. Noted Dec. 6.

## Railways

PROPOSED WORK

**Texas** — Houston, East & West Texas R.R., subsidiary Southern Pacific Ry., Southern Pacific Station, Houston, had plans prepared reballasting tracks from Nacogdoches to Bonita Junction. $75,000. L. Webb, Nacogdoches, engr.

BIDS DESIRED

**Missouri**—See "Streets and Roads under North Kansas City."

**Oregon**—Eng. Dept. of Southern Pacific Co., 65 Market St., San Francisco, Calif., receiving bids 25 mi. road from Klamath Falls to Eugene, (portion Natron Cut Off), also 7 mi. section over Cascade Mts., incl. very heavy grading, also tunnel to cost between $2,000,000 and $3,000,000. G. W. Boschke, ch. engr.

BIDS RECEIVED

**California**—Municipal Railway System of Eureka, furnishing 460 tons 70 lb. rails, from Rolph-Mills Co., 149 California St., San Francisco, $52.50 per ton; 325 tons high T rails, also joint plates, from U. S. Steel Products Co., Rialto Bldg., San Francisco, $59.43 per ton and $4.42 per hundred weight respectively.

## Excavation, Drainage, Irrigation

PROPOSED WORK

**Wis., Turtle Lake**—Barron Co. Drainage Bd., having plans completed for system to drain 1,200 acres, incl. 4 mi. open ditching. $25,000. O. G. Holway, c/o Court House. Chippewa Falls, engr.

**Wis., Verona**—Dane Co. Farm Drain Bd. plans about 5 mi. tile and open ditch drainage in D.D. 12, about 2,500 acres $30,000. N. Holman, 508 West Washington Ave., Madison, secy. Engineer not selected.

**Calif., Blythe**—Palo Verde D. D. rejected bids Nov. 24, constructing West Side Drain. Noted Dec. 13.

**Calif., Merced**—Merced Irrigation Dist. to vote on $3,500,000 bonds for completion of irrigation works.

BIDS DESIRED

**N. Y., Brooklyn** — Dec. 29, by J. H. Delaney, comr. Docks, Pier "A" foot of Battery Pl., New York, dredging at Bay Ridge Ave., Contr. 1824, also at 52nd St. pier, Contr. 1823, here.

**N. Y., New York** — Dec. 28, by J. H. Delaney, comr. Docks, Pier "A" foot of Battery Pl., dredging slip, west side, Pier 4, East River, Contr. 1825.

**N. Y., Rochester**—Jan. 17, by R. K. Fuller, comr. Canals & Waterways, Albany, completing excavation of canal channel in Genesee River and placing rock spoil protection along river banks, here, Contr. 214; adv. E. N.-R. Dec. 20.

**Ky., Greenville**—Drainage Comn. Muhlenburg Co. taking bids and opens same about Dec. 24, drainage ditch, 130,000 cu.yd. excav., to exceed $25,000.

**Calif., Modesto**—Dec. 28, by C. S. Abbott, secy. Modesto Irrigation Dist., drilling wells, constructing drainage pumping plants as follows: 12 installations, each comprising well, motor driven deep-well turbine pump, motor started and sheet metal pumphouse.

BIDS RECEIVED

**N. Y., Brooklyn**—E. Riegelmann, boro pres., Boro Hall, Dec. 13, dredging 15,000 cu.yd. scow measurement in Gowanus Canal and 20,000 cu.yd. in Wallabout Canal, from W. E. Potter, $14,535 and $15,980 respec-

Excavation, Drainage, Irrigation (Continued)

tively; 40,000 cu.yd. in Newtown Creek, from J. McSpirit, $25,600; 40,000 cu.yd. foot of 64th St., from Columbia Dredging Corp., 30 Church St., New York, $11,160. Noted Dec. 6.

**CONTRACTS AWARDED**

**Calif., Blythe**—Palo Verde D. D., 100,000 cu.yd. earthwork at Ehrenberg cut, Riverside Co., to C. Thompson, Loew State Bldg., Los Angeles, $0.18 and $0.20 per cu.yd.

## Streets and Roads

**PROPOSED WORK**

**Connecticut**—State Highway Dept., Hartford, made appropriations for State Aid roads in following counties: Middlesex, $98,244; Fairfield, $71,250; New London, $118,375; Litchfield, $127,569; Hartford, $167,500; Windham, $177,000. J. A. Macdonald, comr.

**N. Y., Albany**—Making plans and takes bids in January relaying pavement on 1.2 mi. Morton Ave., 72 ft., redressed granite blocks on concrete. $100,000. J. J. Brennan, city engr.

**N. Y., Watervliet** — Had plans prepared and takes bids after Jan. 1, filling, grading and asphalt and concrete paving 4.2 mi. Erie Blvd., 165,000 cu.yd. fill. $260,000. H. E. Gabriels, city engr.

**N. J., Trenton**—Mercer Co. plans reconstructing about 4 mi. road from Robbinsville to Yardville, concrete. H. F. Harris, Court House, engr. Noted Oct. 4.

**Pa., Allentown**—Plans to resurface and repair 1½ mi. North 7th, North 12th and Madison Sts. $45,000, also paving 3 mi. Union, Maxwell, South 17th, South 16th, Fulton, Fairview, South Penn, Allen, Lawrence, Linden, Union, Jordon and Washington Sts. $138,000. H. F. Bascom, City Bldg., engr.

**West Virginia**—State Rd. Comn., Charleston, rejected bids 25 highway projects and 17 bridges. $3,500,000. E. B. Carskadon, secy. Noted Nov. 29.

**W. Va., Moundsville**—Washington Dist. Marshall Co. voted $50,000 bond issue for roads. A. Purdy, Moundsville, co. engr. Noted Nov. 15.

**N. C., Bridgeton**—Voted $212,000 bonds sidewalks and street improvements.

**N. C., Greensboro**—Sold $501,250 bonds street paving. P. C. Painter, city mgr.

**N. C., Raleigh** — Plans to sell $750,000 bonds paving various streets. Additional issue may be authorized later. C. C. Page, comr. Pub. Wks.

**Fla., Fort Myers** — Dec. 28 to vote on $90,000 bond issue for paving various streets. F. E Smith, clk.

**Kentucky** — State Hy. Dept., Frankfort, plans improving various roads (**F.A.P. means Federal Aid Project, S. P. means State Project**) grading and surfacing with rock asphalt or rein.-con. 11 mi. Williamstown-Georgetown Rd., 18 ft., F.A.P. 115, Scott Co., 10.76 mi. Williamstown-Georgetown Rd., 18 ft., F.A.P. 114, Grant Co.; surfacing with gravel, waterbound macadam or waterbound surface treating 12.7 mi. Glasgow-Burksville Rd. from Ferris Creek to Burksville, 16 ft., S.P. 40 Sect. B, Cumberland Co.; grading 2.2. mi. Glasgow-Burksville Rd. from Metcalf Co. line to Ferris Creek, 24 and 28 ft., S.P. 40, Sect. A, Cumberland Co., 11.4 mi. Glasgow-Burksville Rd. from Glasgow to Metcalf Co. line, 24 and 28 ft., S.P. 40 Sect. A, Barren Co., 12 mi. Glasgow-Burksville Rd. from Barren Co. line to Cumberland Co. line, 24 and 28 ft., S.P. 40, Sect. A, Metcalf Co. J. S. Boggs, state highway engr.

**Ky., Louisville**—Plans surfacing 1 mi. Hill Top Rd. in Iroquois Park, 25 ft. $50,000.

**Ohio**—Dept. Highways and Pub. Wks., Columbus, cancelled bids which were to be opened Dec. 11, grading, bridging and paving 4.181 mi. roads in Columbiana, Cuyahoga and Pickaway Counties. Noted Dec. 6.

**O., Lisbon** — Columbiana Co. plans improving 2 mi. Wellsville-Salineville Rd., 20 ft., $75,000-$100,000; 2 mi. McQueens Run Rd., 20 ft., $75,000, both brick. Will mature in spring. L. C. Kirk, Court House, engr.

**O., Massillon**—Plans improving 1.25 mi. Green and South High Sts., $110,000, also ½ to ¾ mi. Commonwealth Ave., $45,000, all 40 ft. wide. Will mature in spring. C. E Rice, City Bldg., engr.

**O., Warren** — Plans to widen High St. from 34 to 60 ft. $74,000. Will mature in spring.

**Wisconsin**—Following are county appropriations for road construction during 1924. Eau Claire Co. $120,946, C. Osborne, Eau Claire, comr.; Dodge Co. $1,212,875, concrete and gravel, E. T. Klug, Juneau, comr.; Langlade Co. $132,689, C. Olsen, Antigo, comr.; Dane Co. $545,444, J. R. Caldwell, Madison, comr.; Buffalo Co. $173,581, J. Reinhardt, Nelson, comr.

**Wisconsin**—Following are county appropriations for road construction during 1924: Kewaunee Co. $121,881, H. Griese, Algoma, comr.; Iron Co. $59,794, W. Weber, Saxon, comr.; Jefferson Co. $339,398, R. D. Royce, Ft. Atkinson, comr.; Rusk Co. $63,968, P. Koehler, Ladysmith, comr.; Sheboygan Co. $415,192, G. W. Ubbelohde, Sheboygan, comr.; Portage Co. $312,374, J. T. Henton, Portage, comr.; Ozaukee Co. $374,425, W. J. Ubbink, Port Washington, comr.

**Wisconsin**—Following are county appropriations for county and state trunk highway maintenance: Adams $7,500; Ashland $22,000; Barron $85,000; Bayfield $7,000; Buffalo $35,483; Burnett $4,000; Chippewa $45,000; Clark $23,000; Columbia $82,000; Crawford $20,000; Dane $55,000; Dodge $5,000; Door $30,000; Douglas $50,000; Dunn $32,000; Fond du Lac $20,000; Grant $40,000; Green Lake $8,000; Iowa $20,000; Iron $2,000; Jackson $63,000; Jefferson $17,000; Juneau $15,000; Kewaunee $14,000; Lafayette $30,000; Langlade $25,000; Lincoln Co. $35,000; Manitowoc $40,000; Marathon $20,000; Marinette Co. $8,000; Monroe $43,374; Oconto $30,000; Ozaukee $7,000; Pepin $7,000; Pierce $25,000; Polk $71,504; Portage $10,000; Price $20,000; Racine $15,000; Richland $24,000; Rock $5,000; Rusk $8,000; Sauk $30,000; Shawno $73,000; Sheboygan $75,000; Taylor $25,000; Trempealeau $75,000; Vernon $37,780; Walworth $10,000; Washburn $10,000; Washington $28,000; Waupaca $30,000; Waushara $2,000; Winnebago $50,000; Wood $15,000.

**Wis., Oshkosh** — Making plans paving (probably concrete, asphalt and brick), Sawyer Ave., Parkway, East Oak, Congress, Ohio, 5th and Pearl Sts., $25,368; Merritt St., $5,320, street railways share additional $2,317; New York Ave., $3,533, street railway share $3,307. G. Randall, City Hall, engr.

**Ia., Indianola**—Plans to pave about 22 blocks during 1924. E. M. Wilson, clk.

**Ia., Manchester**—Takes bids in January for about $60,000 sq.yd. pavement, various types to exceed $100,000. H. R. Green, Cedar Rapids Savings Bank Bldg., Cedar Rapids, engrs. Noted Nov. 1.

**Ia., Oelwein**—Plans to pave approximately 50 blocks during 1924. E. B. Tourtellot, city engr.

**Minn., Faribault**—F. M. Kaisersatt, aud. Rice Co. takes bids about April gravel surfacing. $80,000. J. C. McElherne, engr.

**Minn., Moorhead**—Clay Co. voted $250,000 bonds for highways. E. Martinson, Moorhead, engr.

**Minn., St. Paul**—Ramsey Co. will issue $2,000,000 bonds for road and bridge construction during 1924. G. J. Ries, co. aud.

**Kan., Oskaloosa**—Jefferson Co. making plans surfacing 14.25 mi. Oskaloosa-Nortonville Rd., concrete, 18 ft.; 12.4 mi. Golden Belt Highway, gravel. Kansas Eng. Co., 1233 Western Ave., Topeka, engrs.

**Kan., Wichita**—Plans paving 11 blocks, 26-36 ft. wide. $65,000. P. L. Brockway, City Bldg., engr.

**South Dakota**—State Hy. Dept., Pierre, plans to grade 10 mi. Federal Aid Project 161 Hanson Co., $31,240, 19.7 mi. Federal Aid Project 164, Brookings and Moody Counties, $65,615, 11.1 mi. Federal Aid Project 166, McCook Co., $35,103. F. D. Hudgins, ch. engr.

**Wyoming** — State Hy. Dept., Cheyenne, plans surfacing 43.637 mi. Federal Aid Project Rev. 64, Carborn Co., $115,500. Government pays $74,671.

**Missouri**—State Hy. Dept., Jefferson City, rejected bids Nov. 27, grading 2.483 mi. State Project Route 7, Sect. 83, Texas Co., and gravel surfacing 4.916 mi. State Project Route 21, Sect. 4A, Washington Co. Noted Dec. 6.

**Mo., Maplewood** (St. Louis P. O.)—Plans grading, curbing, guttering and paving 9,725 sq.yd. Edgar, St. Elmo, Kensington and Sussex Aves., 7 in. rein.-con. $35,000-$37,500. A. H. Beard, 616 Title Guaranty Bldg., St. Louis, engr.

**Mo., St. Louis**—Plans widening and opening 6 blocks 14th St. $375,000. W. W. Horner, City Hall, engr.

**Tex., Amarillo**—Potter Co. had plans prepared and takes bids about Jan. 10, gravel surfacing 6.1 mi. highway between here and St. Frances, 16 ft. $75,000. O. A. Seward, co. engr.

**Tex., Anson**—Jones Co. election Dec. 22 to vote on $25,000 bonds grading, etc. in Rd. Dist. 4. J. F. Lindsey, co. judge.

**Tex., Ballinger**—Runnels Co. making plans grading and constructing steel and concrete bridges 9.36 mi. State Highway 30, 18 ft. $67,000. J. E. Pirie, co. engr.

**Tex., Brady**—McCulloch Co. making plans and soon takes bids grading, gravel surfacing and bridging 4.74 mi. State Highway 9, 16 ft. $45,000. E. A. Burrows, co. engr.

**Tex., Brownsville**—Cameron Co. election Dec. 22 to vote on $660,000 bonds grading and concrete paving 25 mi. Brownsville-Barrida-Point Isabel Highway and county road, 18 ft. W. O. Washington, co. engr.

**Tex., Daingerfield** — Morris Co. plans grading and gravel surfacing 5 mi. State Highway 35, 16 ft. $30,000. J. Douglas, co. engr.

**Tex., Dallas** — Plans prepared widening (from 30 to 80 ft.) and paving 200 ft. Lamar St. from Elm to Pacific Sts. $210,756. E. A. Kingsley, city engr.

**Tex., Ft. Worth**—Beacon Hill Land Co., c/o Baker & Von Zuben, engrs., Ellison Bldg., making plans Beacon Hill Subdivision, 154 acre tract, incl. paving, etc. $75,000.

**Tex., Georgetown**—Williamson Co. voted $300,000 bonds grading, gravel surfacing and bridging in Taylor Rd. Dist. 91. R. A. Nichols, co. engr. Noted Nov. 8.

**Tex., Kerrville**—Kerr Co. making plans grading, surfacing, gravel base and asphalt top 4.14 mi. and surfacing 1.82 mi. already graded and graveled with 4 in. crushed rock and asphalt top, State Highway 41, 18 ft. $65,000. W. E. Simpson Co., 414 Natl. Bank of Commerce Bldg., San Antonio, engrs.

**Tex., Lamesa**—City voted $60,000 bonds brick paving Public Sq., etc. Elrod Eng. Co., 3206 Elm St., Dallas, engrs. Noted Nov. 15.

**Tex., Leakey**—Real Co. making plans and takes bids about Feb. 1, grading and bridging 18 mi. Kerrville-Rock Springs Rd., 16 ft. $90,000. W. E. Simpson Co., 414 N. B. C. Bldg., San Antonio, engrs.

**Tex., Menard**—Menard Co. making plans grading, etc., 15 mi. State Highway 23, Junction Menard Rd., 16 ft. $75,000. Will gravel surface road at later date, $40,000. M. L. Grady, engr., c/o J. W. Mathews, co. judge.

**Tex., Memphis**—Hall Co. making plans grading and concrete surfacing 5 mi. State Highway 5, 18 ft. $200,000 bonds recently voted. Hasie & Preston, co. engrs. Noted Dec. 13.

**Tex., Pecos**—Reeves Co. had plans prepared and soon takes bids gravel surfacing 13.3 mi. State Highway 1, 16 ft. $100,000. S. S. Posey, Box 565, co. engr.

**Tex., Rockdale** — Milam Co. will start taking bids Jan 9, highway improvements incl. 11.4 mi. surfaced highway from West Bank Brazos River to Gause beat line, 16 ft. $175,000. A. F. Mitchell, Cameron, engr.

**Tex., Uvalde**—Uvalde Co. making plans grading and surfacing, gravel base and bituminous topping 5.9 mi. State Highway 3, 18 ft. $90,000. M. B. Hodges, co. engr.

**Okla., Fairfax**—Surveys being made grading and vertical fibre brick paving 11 blocks 5th, Elm, Mulberry and Locust Sts., 26 ft. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

**Okla., Holdenville**—Preparing plans concrete paving 42 blocks. $130,000. C. Edge, Holdenville, engr.

**Okla., Norman**—Plans grading and paving 7 blocks Monett, North University and Flood Sts., 8,000 sq.yd. concrete, 4,750 lin. ft. curbing, 3,200 cu.yd. excav. $38,000. F. Cobb, Norman, engr.

**Okla., Oklahoma City**—Plans grading and paving 11 blocks Blackwelder, Deuland, Mckinley Sts. and alleys, 2,700 sq.yd. asphalt, 3,000 sq.yd. concrete, 1,800 lin.ft. curbing, 2,250 cu.yd. excav. $30,000; 11 blocks Classen Blvd. from 22nd to 32nd Sts., 14,000 sq.yd. asphalt, $28,000; 8 blocks 7th, D, Shartel and 12th Sts., 6,100 sq.yd. asphalt, 5,100 lin.ft. curbing, 2,400 cu.yd. excav., $31,500; 19 blocks Klein, Western and Pottawatomie Sts., 7,700 sq.yd. asphalt, 7,800 lin.ft. curbing, 3,100 cu.yd. excav. $39,000. B. M. Hart, City Hall, engr.

**Okla., Pauls Valley**—Garvin Co. election Jan. 4, to vote on $750,000 bonds grading and paving 25 mi. highways, 275,000 cu.yd. concrete. P. A. Little, Chickasha, engr. Noted Nov. 29.

**Okla., Sapulpa**—Creek Co. election Jan. 4, to vote on $700,000 bonds paving 35 mi. Ozark Trail and other roads, 350,000 sq.yd. concrete, 300,000 cu.yd. excav. C. K. Howard, Sapulpa, engr.

**Idaho** — State Hy. Dept., Boise, plans gravel surfacing 4.2 mi. Federal Aid Project 77, Boundary Co., $49,998. Government pays $28,999.

**Calif., Colusa**—Colusa Co. having surveys made paving 4.5 mi. from Mills Orchard along Maxwell-Sites Rd. to Stiles, $35,000 or more, ½ mi. from Colusa drawbridge to Colusa Butte Rd., $5,500, 4.5 mi. from Maxwell along Maxwell-Sites Rd. to Mills Orchard, $50,000 or more, 3.5 mi. from Prize Bridge along Grimes-Arbuckle Rd. to Prize store and along Grimes College City Rd., $35,000 or more, Grimes to Prize Bridge Highway on Grimes-Arbuckle Rd., $120,000 or more, 6 mi. road from Colusa Drawbridge to Butte Creek School, to exceed $65,000; paving with concrete 7.6 mi. Grimes to intersection of Grimes-Colusa and Colusa Meridian Rd., to exceed $120,000, 14 mi. Princeton to Colusa Co. Highway unit to exceed

Streets and Roads (Continued)

$200,000; gravel 22 mi. road from Sites along Sites Stonyford Rd. to Stonyford $45,000, 7.25 mi. from intersection of Stovall-Wilcoxen Rd. with Williams Venada Rd. to Dora Riester ranch, $13,500, 4.5 mi. from Sect. 18, Twp. 15 to Central School, $9,000, 4.5 mi. from Williams-Venada Rd. to Sect. 11, Twp. 15, $9,000. J. M. Felknor, co. engr.

**Calif., Fairfield**—Solano Co. having surveys made Sears Point Highway. $150,000. F. A. Steiger, co. surv.

**Calif., Hillsborough**—City to vote on $30,000 bond issue for paving various streets with concrete and macadam. W. C. Hammatt, Hearst Bldg., San Francisco, consult. engr.

**Calif., Salinas** — City plans improving Main, Market and Monterey Sts., 166,300 sq.ft. grading, 500 tons base rock, 1,225 tons asphaltic concrete binder course, 165,980 sq.ft. Warrenite bitulithic surface, etc. To exceed $30,000. H. Cozzens, city engr.

**Calif., Santa Paula**—Ventura Co. (Ventura), plans improving Willow St. and Willard Ave., here, 58,144 sq.ft. asphaltic macadam pavement, etc.

### BIDS DESIRED

**N. Y., Brooklyn**—Dec. 27, by E. Riegelmann, boro pres., Boro Hall, paving Carroll St., permanent asphalt on 6 in. concrete; grading Flatbush Ave.; grading, curbing, flagging where necessary and paving Ocean View Ave., second-hand granite on sand; curbing where necessary and paving Ave. D, 7 in. preliminary concrete.

**N. Y., Brooklyn**—Dec. 28, by E. Riegelmann, boro pres., Boro Hall, repaving Liberty Ave., permanent asphalt on 6 in. concrete.

**N. Y., New York**—Dec. 27, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., grading, etc., for width of 60 ft. centrally located Neill Ave. from Bronxdale to Matthews Aves., for its full width from Matthews to Paulding Aves.

**N. Y., New York**—Dec. 27, by J. Miller, pres. Manhattan Boro, Municipal Bldg., widening and repaving widened portion 57th St., sheet asphalt on concrete.

**Louisiana**—Jan. 3, by State Hy. Comn., Reymond Bldg., Baton Rouge, 5.94 mi. Federal Aid Project 143, Beggs-Palmetto Highway, St. Landry Parish, also furnishing 3,982 cu.yd. washed gravel and 40% sand clay, gravel or alternate. J. M. Fourny, ch. engr.

**La., New Orleans**—Dec. 30, by Bd. Port Comrs., New Court House Bldg., concrete floor slab grading and paving at Claiborne Ave. landing. J. H. Walsh, genl. mgr.

**Indiana**—Jan. 2, by J. D. Williams, dir. State Hy. Comn., Indianapolis, paving with brick, bituminous concrete and concrete 6.032 mi. Louisville Rd., Federal Aid 21, Sect. B, Clark Co.; 5.812 mi. Dixie Bee Line, Federal Aid 65, Sect. B. Gibson Co.; 8.088 mi. Sect. A and 8.779 mi. Sect. B, Middlebury-Lagrange Rd., Federal Aid 67, Lagrange and Elkhart Counties; 7.736 mi. Sect. A, 5.743 mi. Sect. B, 8.639 mi. Sect. C and 8.095 mi. Sect. D, Lafayette Pike, Federal Aid 74, Boone, Clinton and Tippecanoe Counties; grading and structures under 20 ft. span on 6.894 mi. Sect. A, 9.698 mi. Sect. B and 8.176 mi. Sect. C Lyford-Veedersburg Rd., Federal Aid 68, Parke Co.

**Ind., Monticello**—Jan. 8, by White Co., improving 10,575 ft. Augustus U. Lux et al Rd., Princeton Twp. $63,388. F. E. Vinson, aud.

**Ia., Newton**—Dec. 27, by Auditor Jasper Co., grading 2.56 mi. Federal Aid Project 64, Sect. E, 57,365 cu.yd. earth excav., 28,362 cu.yd. channel change, etc. Iowa Hy. Comn., Ames, engrs.

**Ia., Waterloo**—Dec. 26, by Auditor Black Hawk Co., grading and gravel surfacing 11.136 mi. primary road south and southwest of here, 74,372 cu.yd. excav., 17,372 cu.yd. gravel, 71,633 ft. tile drain, etc. Iowa Hy. Comn., Ames, engrs.

**Kan., Fort Scott**—Dec. 24, by C. Luffel, city clk., excavating and paving with asphalt, brick or asphaltic concrete 19 blocks, 6th St. from Margaret to Short Sts. R. Toles, engr. Noted Nov. 22.

**Mo., North Kansas City**—Jan. 3, by M. H. Raming, purch. agt., City Hall, Kansas City, grading for railroad siding about ½ mi. long, relocated electric railroad and highway about ½ mi. long incl. 16 ft. span rein.-con. highway bridge, 18 ft., north of here. Fuller & Maitland, 600 Walnut St., Kansas City, and Fuller & McClintock, 170 Bway., New York City, engrs.; adv. E. N.-R. Dec. 20.

**Tex., Houston**—City Com. taking bids gravel surfacing Freeman, Allston, and Cortland Sts., etc. $75,000. J. C. McVea, city engr.

**Tex., San Angelo**—Jan. 10, by G. Gilchrist, engr. Tom Green Co., bituminous macadam surfacing 9.73 mi. highway from here to Carlsbad, 16 ft. $106,500.

**Nevada** — Jan. 2, by Directors Dept. Highways, Carson City, improving 17.59 mi. road from Mormon Mesa to Nevada-Arizona State line, Route 6, Sect. H, Clark Co., 222,000 cu.yd. excav., 11,200 cu.yd. loading and screening, 29,400 yd. mi. hauling and 11,200 cu.yd. spreading gravel, 190 cu.yd. Class A and 220 cu.yd. Class B concrete, etc.

**Nevada**—Jan. 2, by State Hy. Comn., Carson City, improving 5.03 mi. road between Carroll Summit and Campbell Creek Ranch, 58,300 cu.yd. excav., 1,900 cu.yd. load and screen selected material, 2,540 cu. yd. mi. haul selected material, 1,900 cu.yd. spread selected material, etc., 155 cu.yd. Class A concrete. G. W. Borden, state highway engr.

**California**—Dec. 31, by State Hy. Comn., Sacramento, grading 11.5 mi., surfacing 7.2 with gravel or broken stone, and paving 4.3 mi. with Portland cement, road between Baltane and Schellville, Sonoma Co., 45,000 cu.yd. roadway embankment, 76,800 sta.yd. overhaul, 13,120 cu.yd. crushed gravel or broken stone, preparing and shaping 22,524 lin.ft. subgrade, 10,400 cu.yd. Class A concrete, etc. R. M. Morton, state engr. Noted Nov. 29.

**California**—Jan. 7, by State Hy. Comn., Sacramento, improving 1.9 mi. road near Galt, Sacramento Co., 4,000 cu.yd. embankment, 9,900 lin.ft. subgrade, 3,980 cu.yd. Class A concrete pavement, 30 cu.yd. Class A concrete in culverts, etc. R. M. Morton, state highway engr.

**Calif., Los Angeles**—Dec. 31, by Supervs. Los Angeles Co., improving 6,658 lin.ft. Western Ave. between Clark and Rosencrans Aves., 3,272 tons asphaltic concrete top, 26,632 sq.ft. concrete shoulders, 26,632 sq.ft. 3 in. concrete sand cushions, etc.

**Calif., Oakland** — Dec. 31, by Supervs. Alameda Co., improving roads in Pleasanton and Livermore, 4,200 cu.yd. grading, 134,000 sq.ft. subgrade, 130,000 sq.ft. 5 in. concrete pavement, etc. To exceed $25,000. G. A. Posey, co. surv.

**Calif., San Diego** — Dec. 31, by A. H. Wright, clk., improving Falcon and Lewis Sts. and Ft. Stockton Dr., 113,394 sq.ft. 1½ in. asphaltic concrete top on 2½ in. bituminous base, etc. F. A. Rhodes, city engr. Noted Nov. 8.

**Calif., San Diego** — Dec. 31, by H. A. Wright, clk., improving Sutter St., 87,777 sq.ft. paving with 1½ in. asphaltic concrete on 2½ in. bituminous base, etc. F. A. Rhodes, city engr.

**Calif., San Francisco** — Bd. Pub. Wks. taking bids grading Ocean View Extension of Municipal Ry. System, 64,000 cu.yd. excav. under 400 ft., 188,000 cu.yd. excav. equivalent to 100 ft. overhaul, removing storing and replacing 28,000 sq.yd. top soil, 50 cu.yd. concrete, etc. To exceed $100,000. M. M. O'Shaughnessy, city engr.

### BIDS RECEIVED

**N. Y., Syracuse**—Bd. Contr. & Supply, Dec. 10, paving (1) Spring St. (2) Fellows Ave. (3) Clifton Pl. (4) Clairemonte Ave. (5) Westminster Ave. (6) Glenwood Ave. (7) Parkside Ave. (8) Amherst Ave. (9) Roosevelt Ave. with (a) asphalt (b) bituminous concrete, from G. B. Dickison, Union Bldg., (1a) $26,004 (1b) $25,395 (4a) $53,715 (4b) $51,962; J. H Gallup, Union Bldg., (2a) $67,471 (2b) $64,969 (5a) $19,037 (5b) $18,723 (9a) $33,351; Dale Eng. Co., Mann Bldg., Utica, (3a) $14,928 (3b) $14,449 (8b) $15,220 (9b) $32,406; F. J. Baker, University Blk., (6a) $29,285 (6b) $28,575 (7a) $15,223 (7b) $14,967 (8a) $15,483 (8b) $15,220. Noted Nov. 29.

**Pennsylvania**—State Hy. Dept., Harrisburg, Dec. 11, constructing 18,421 ft. Route 54, Indiana Co., from M. Bennett & Sons, Indiana, $201,988; 4,151 ft. Application 2404, Jefferson Co., from G. I. Thompson Co., Clearfield, $39,710; 16,949 ft. Route 109, Applications 2678 and 2710, Greene Co., from S. Gamble, Glass St., Carnegie, $227,097; 25,693 ft. Route 187, Sect. 4B, Westmoreland Co., from Rood Constr. Co., Butler, $279,850; 14,062 ft. Route 50, Spur A, Applications 2731, 2732 and 2733, Somerset Co., from Owen & Plummer, Inc., Otto Bldg., Johnstown, $150,892; 8,769 ft. Route 61, Application 1736, Jefferson Co., from F. S. Wilson, Kittanning, $87,731; 13,453 ft. Route 187, Sect. 4A, Westmoreland Co., from Corrado & Gallardi, Colonial Natl. Bank Bldg., Connellsville, $146,702; 1,805 ft. Route 180, Chester Twp., Delaware Co., from McNichol Paving & Constr. Co., 1923 Cherry St., Phila., $34,983; 10,530 ft. Route 204, Beaver Co., from W. S. Morrison, New Brighton, $119,816; 7,424 ft. Route 1, Application 2136, Northumberland Co. from Reitz Bros., 822 South Front St., Sunbury, $52,024.

**Pa., Waynesburg** — Comrs. Greene Co. concrete paving 3,044 ft. Ninervah Rd., 16 ft., from Reed & Moore, Waynesburg, $44,835.

**Kentucky**—State Hy. Dept., Frankfort, reshaping and surfacing with waterbound macadam 10.7 mi. Georgetown-Cynthianna Rd., State Project 58½, Sect. B, Harrison Co., from B. W. Gorham, Lexington, Ky., $66,794.

**Kentucky**—State Hy. Dept., Frankfort, grading and gravel surfacing 11 mi. Bardstown-Hodgensville Rd., State Project 3, Sect. B, Larue Co., 18 ft., from Ellis & Smithers, Owensboro, $232,885; grading and surfacing with waterbound macadam 1.689 mi. Nicholasville-Danville Rd., State Project 25, Sect. A, Garrard and Boyle Counties, 16 ft., from Bates-Paynter Co., Danville, $34,396, 1.969 mi. Buffalo-Hardyville Rd., State Project 3, Sect. A, Hart Co., 18 ft., from Tenyman & Hanaley, Hodgensville, $52,147. Surface treating above roads from Atlantic Refining & Asphalt Co., Candler Bldg., Atlanta, Ga., Southern Oil & Tar Co., Clay and Fulton Sts., Louisville, and F. G. Breslin, 32nd and Market Sts., Louisville. $15,575, $2,321 and $3,500, respectively.

**Ohio**—Dept. Highways and Pub. Wks., Columbus, grading, bridging, and paving roads with (a) rein.-con. (b) bituminous macadam, asphalt (c) bituminous macadam, tar (d) concrete (e) bituminous macadam, asphalt and brick (f) bituminous macadam, tar and brick (g) brick (h) Kentucky rock apshalt (1) 2.554 mi. Sect. "B" Marietta-Athens Rd., Athens Co. (2) 3 mi. Sects. "C and I" Chardon-Madison Rd., Geauga Co. (3) 0.979 mi. Sect. "Caledonia" Marion-Galion Rd., Marion Co. (4) 0.625 mi. Sect. "Caledonia" Marion-Galion Rd., Marion Co. (5) 4.095 mi. Sects. "W-Englewood and portion of" National Rd., Montgomery Co. (6) 0.457 mi. Sect. "D" Canton-Steubenville Rd., Stark Co. (7) 1.493 mi. Sect. "B-1 and B-2" Alliance-Minerva Rd. (8) 0.984 mi. Sect. "I-1" Bucyrus Upper Sandusky Rd., Wyandot Co., from Mariner Co., Athens (a1) $85,738 (b1) $78,209 (e1) $78,209; G. A. Stein, Niles (d2) $49,309; W. K. Drake, Marion, (e3) $51,017 (f3) $51,162; Malloy & Seckel, Marion (g4) $3,635; Bigler Bros., Middletown, (a5) $136,863; Eldorado Paving Co., Eldorado, (g5) $176,074; Losey Rd. Constr. Co., Kenton, (h5) $122,414; P. Christensen, 1355 Yale Ave., W. W., Canton, (d6) $17,787 (g6) $23,085; G. W. Hadley, Goldberg Bldg., Canton, (g7) use 80 per cent old brick $49,546; G. B. Walther, 425 Amer. Bank Bldg., Lima, (g8) $37,693. Noted Dec. 6.

**Michigan** — State Hy. Dept., Lansing, grading and surfacing 4.206 mi. Federal Aid Project 63, Sect. B, Bay Co., 44,603 sq. yd. concrete, from Galamo Constr. Co., Bay City, $71,326. Noted Nov. 29.

**Michigan**—State Hy. Dept., Lansing, grading and surfacing 2.628 mi. Federal Aid Project 101, Sect. C, Van Buren Co., 31,411 sq.yd. concrete, from A. E. Green, 47 Union Ave. N. E., Grand Rapids, $56,700; 3.041 mi. State Trunk Line Rd. 13-44, St. Joseph Co., 32,070 sq.yd. concrete, from Twitchell & Barrows, Orland, Ind., $65,539. Noted Nov. 29.

**Ind., Wabash**—Wabash Co., paving Lee A. Carr Rd., 17,328 sq.yd. asphalt on concrete, from Citizens Paving Co., Kokomo. $55,435. Engrs. est. $61,000.

**Tex., Austin**—Travis Co. grading, etc., 5.57 mi. State Highway 2, Federal Aid Project 409, 521 cu.yd. concrete, 20,733 cu. yd. roadway, 23,649 cu.yd. borrow, 2,548 cu.yd. loose and 1,225 cu.yd. solid rock excav., 48,045 lb. reinforcing from Evans & Greathouse, c/o J. A. Greathouse, 1706 West 6th St., Austin, $27,158. Engrs. est. $27,977.

**Tex., Cleburne**—Johnson Co. 302.65 stas. grading and reshaping road bed and hauling and placing 14,173.4 cu.yd. gravel on State Highway 10-A, State Aid Project 443, from McClung Constr. Co., Sherman, $34,841. Noted Nov. 22.

**Tex., Palestine** — Anderson Co. grading, gravel surfacing and constructing concrete bridges on 10.75 mi. Palestine-Bushy Rd., 16 ft. also grading, rein.-con. surfacing and bridging 9.7 mi. State Highway 19, Federal Aid Project 403 A, 16 and 18 ft., from Henderson & Co., Omaha, $32,444 and $321,076 respectively. Engrs. est. $40,000 and $358,900 respectively. Noted Nov. 22 and 29.

**Tex., Palo Pinto** — Palo Pinto Co. improving State Highway 1, (a) paving 35,140 sq.yd. vitr. brick, (b) 42,180 lin.ft. concrete curbing, from Tibbetts Constr. Co., 209½ West 8th St., Ft. Worth, (a) $50,967; McClung Constr. Co., Cleburne, (a) $53,076 (b) $21,934. Noted Nov. 22.

**California**—State Hy. Comn., Sacramento, grading 10.4 mi. road between Quail Lake and North Boundary, Los Angeles Co., from Williams & Singletary, Colton, $43,675, (engrs. est. $51,291); concrete paving 16.2 mi. between San Diego an Oceanside, San Diego Co., from Jahn & Bressi, 243 South Bway., Los Angeles, $436,045 (engrs. est. $526,145). Noted Nov. 15.

Streets and Roads (Continued)

**Calif., Los Angeles**—Los Angeles Co., concrete roads and walks at Olive View Sanitarium, from Dewaard & Cobham, Granger Bldg., San Diego, $25,690.

**Calif., Los Angeles** — Supervs. Los Angeles Co., grading, removing old macadam and repaving with concrete 2.65 mi. Compton-Clearwater Rd., 13,655 cu.yd. excav., 4,667 cu.yd. old macadam base, 37,966 sq. yd. concrete pavement, etc., from Oglesby & Dahl, 423 Edgewood Rd., Santa Ana, $67,-608. County will furnish 10,000 bbl. cement. Noted Nov. 22.

**CONTRACTS AWARDED**

**New Hampshire**—State Hy. Dept., Concord, 1.35 mi. gravel road in Grafton Co., to A. D. Bridges Sons, Inc., Hazardville, Conn., 3,668 sq.yd. 10 in. surfacing $2.41, 4009 cu.yd. excav. $1.40, 3602 cu.yd. rock excav. $3.75 etc., total $48,836; 0.88 mi. modified asphalt paving in Carroll Co., to Colburn Constr. Co., Concord, 1238 sq.yd. surfacing $3.60, etc., total $18,300. Noted Sept. 27.

**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., curbing, laying sidewalks, etc. on Howland St. also regrading North Jane St., to Welsh Bros. Contg. Co., 32 Queens St., Astoria, $6,505 and $14,597 respectively; grading, curbing, laying sidewalks, etc., on Darvall St., to R. A. Hess, Inc., 14 Queens St., Astoria, $6,309; Rene Pl. and 85th Dr., to Sicilian Asphalt Paving Co., 41 Park Row, New York, $9,394 and $12,387 respectively; 87th Ave. and 90th Rd., to H. J. Mullin Contg. Co., Jamaica Ave. and 144th St., Jamaica, $3,610 and $5,127 respectively. Noted Dec. 13.

**New Jersey**—State Hy. Dept., Trenton, constructing Route 16, Sect. 6-A. from here to Passaic River, Morris and Somerset Counties, 31,001 yd. concrete, to D. Klockner, 1621 Nottingham Way, Trenton, $173,-387. Engrs. est. $174,307. Noted Dec. 13.

**S. C., Aiken**—Aiken Co., sand clay surfacing 11.4 mi. Federal Aid Project 212, State Route 28, to J. L. Carroll, Columbia, $40,086; rein.-con. bridge with four 22 ft. spans, on above, to J. Houseal, Winnsboro, $6,623. Noted Nov. 22.

**S. C., Moncks Corner**—Berkeley Co., sand clay surfacing 9.5 mi. State Route 41, to W. N. Thompson, Burlington, $46,905.

**Fla., Clearwater**—Pinellas Co., to Davis Miller, Cone Bros., and Peninsula Constr. Co., c/o W. H. Armston, Tampa, 13.2 mi. Rd. 1 A, St. Petersburg to Clearwater, 69,-024 sq.yd. asphalt block, 122,000 lin.ft. concrete curbing, 72,000 cu.yd. earth excav., 60,000 sq.yd. old brick relaid, $348,670, 13.2 mi. Rd. 1 B, Clearwater to Pasco Co. line, 74,000 sq.yd. asphalt block, 139,000 lin.ft. concrete curbing, 80,000 cu.yd. excav., 50,-000 sq.yd. relaid brick, $368,045, 11.45 mi. Rd. 2, Clearwater to Hillsborough Co. line, 77,306 sq.yd. asphalt block, 121,154 lin.ft. concrete curbing, 64,000 cu.yd. excav., $333,-162, 7 mi. Rd. 3, Ozon to 1 mi. northwest Oldsmar, 35,933 sq.yd. asphalt block, 73,950 lin.ft. concrete curbing, 40,000 cu.yd. excav., 30,200 sq.yd. relaid brick, $181,142, 14.7 mi. Rd. 4 Indian Rock Drawbridge to Dellwood, 103,000 sq.yd. asphalt block, 154,000 lin.ft. concrete curbing, 94,000 cu.yd. excav., 25,701 sq.yd. brick relaid, $413,473, 10.04 mi. Rd. 5, 10,900 sq.yd. vitr. brick, 5,280 lin. ft. concrete curbing and guttering, 50,-000 cu.yd. excav., 43,606 sq.yd. brick relaid, etc., $154,923, 6.92 mi. Rd. 6, 69,600 sq.yd. asphalt brick, 78,292 lin.ft. concrete curbing, 55,000 cu.yd. excav., etc., $255,786, 6.05 mi. Rd. 7, 106,550 sq.yd. asphalt block, 64,000 lin.ft. concrete curbing, 30,750 cu.yd. excav., 106,550 sq.yd. 5 in. rock base, $353,-044, Rd. 8, 1,425 sq.yd. asphalt block, 1,600 lin.ft. concrete curbing, etc., $5,614. Noted Nov. 15.

**Fla., Tampa** — Grading and paving Ida and Ola Sts., to Harwell Constr. Co., Tampa, $9,636; Plymouth, Stowell and Giddens Sts., to Concrete Constr. Co., Tampa, $17,299. Work involves 10,650 sq.yd. 2½ asphalt blocks. Noted Nov. 22.

**Fla., Winter Haven**—For 9,000 sq.yd. concrete paving, curbs and gutters on various streets, to Carolina Contg. Co., $25,882.

**Kentucky**—State Hy. Dept., Frankfort, improving roads **(F.A.P. means Federal Aid Project, S.P., State Project)** grading and surfacing with rock asphalt 10.155 mi. Scottsville-Glasgow Rd., 18 ft., F.A.P. 112, Allen Co., to Billiter & Wiley, Covington, $387,054 with waterbound macadam 1.6 mi. Nicholasville-Danville Rd., 16 ft. S.P. 25, Sect. A. Garrard and Boyle Counties, to Bates & Paynter Co., Danville, $34,396, 17.082 mi. Owenton-Georgetown Rd., 14 ft., S. P. 49, Sect. A, Owen Co., to Billiter & Oliver Bros., Covington, $362,327, 1.969 mi. Buffalo-Hardyville Rd., 18 ft., S. P. 3, Sect. A. Hart Co., to Twyman & Hanley, Hodgenville, $52,147; with gravel 11 mi. Bardstown-Hodgensville Rd., 18 ft., S. P. 3, Sect. B, Larue Co., to Ellis & Smithers, Owensboro, $232,885, 7.765 mi. Madisonville-Hopkinsville Rd., 18 ft., F. A. P. 111, Christian Co., to Alexander Bros., Cadiz, $169,595; surfacing with gravel 14.032 mi. Marion-Princeton Rd., 14 ft., S. P. 10, Sect. C, Caldwell Co., to McQuarry Bros., Hopkinsville, $96,845, 7.212 mi. Marion Princeton Rd., 14 ft., S. P. 10, Sect. C, Crittenden Co., to Costello Bros., Henson Bldg., Knoxville, Tenn., $54,469; with rein.-con. 17.035 mi. Barboursville-Corbin Rd., 18 ft., F. A. P. 61, Sect. C, Knox Co., to R. L. Peters, Knoxville, Tenn,, $555,812; with waterbound macadam 5.54 mi. London-Mt. Vernon Rd., 18 ft., F. A. P. 29; Sect. E, Laurel Co., to Travil & Ingram, Danville, $199,725, 10.7 mi. Georgetown-Cynthiana Rd., 14 ft., S. P. 58½, Harrison Co., to B. W. Gorham, Harp St. and Innes Park, Lexington, $66,-794; grading 10.941 mi. Irvine Beattysville Rd., 24 and 28 ft., S. P. 29, Sect. B, Estill Co., to J. S. Lusk, Knoxville, Tenn., $253,-992, 9.924 mi. Beattysville-Booneville Rd., 24 and 28 ft. S. P. 31, Sect. A, Lee and Owsley Counties, to J. C. Williams, Winchester, $202,609, 9.498 mi. Richmond-Mt. Vernon Rd., 24 and 30 ft., F. A. P. 88, Madison and Rockcastle Counties, to Codell Constr. Co., Winchester, $119,456, 16.558 mi. Somerset-Whitley City Rd., 24 and 28 ft., F. A. P. 110, Pulaski Co., to Ping Bros., Constr. Co., Somerset, $191,440. Noted Dec. 6 and 20.

**Ind., Indianapolis**—Marion Co., grading and paving with portland cement 2.97 mi. Russell N. Edwards Rd. and Penn St., to Lowell F. Parker & Co., Bloomfield, $106,-700. Noted Nov. 29.

**Ia., Jefferson**—Greene Co., grading and surfacing 16,667 mi. Federal Aid Project 203, 18 ft., to Empire Constr. Co., 308 Flynn Bldg., Des Moines, 67,989 cu.yd. excav. $0.80, 175,755 sq.yd. concrete $2.58, etc., total $507,839. Noted Nov. 15.

**Ia., Sioux City**—Woodbury Co., paving and incidental work on Moville-Correctionville Rd., to C. F. Lytle Constr. Co., 2727 Jackson St., 190,062 sq.yd. concrete paving $2.38, 42,877 cu.yd. earth excav. $0.90, 152 special intakes $120, etc. Noted Nov. 22.

**Minnesota**—State Hy. Dept., St. Paul, 18 mi. State Project 6-39, Sect. 1, Federal Aid Project 332, Kittson Co., 190,000 cu.yd. excav., grading Div. A, to A. M. Barrett, St. Cloud, $32,719; Div. B, to S. Enebak, Warren, $29,788. Contracts awarded conditional upon securing right of way. Noted Oct. 11.

**Wyo., Cheyenne**—Paving 5 blocks Carey Ave. and 6 blocks adjacent to State Capitol Bldg., Dist. 3, with 5 in. concrete base, 1½ in. binder and 1 in. top, 40-52 ft. wide, to A. T. Read Co., Omaha, Neb., $72,847. Noted Oct. 18.

**Missouri**—State Hy. Dept., Jefferson City, grading roads **(S. P. R. 31-3, De Kalb means State Project Route 31, Sect. 3, De Kalb Co.)** 5 mi. S. P. R. 31-3, De Kalb, 4.779 mi. S. P. R. 1-34, Buchanan, and 0.139 mi. State Project Refund 1, Madison Co., to M. E. Gillioz, Monett, $30,036, $48,124 and $2,160 respectively; 4.024 mi. S. P. R. 3-107, Christian, 2.583 mi. S. P. R. 35-3, Jackson, 2.583 mi. S. P. R. 35-3, Jackson, 2.917 mi. S. P. R. 35-4, Jackson, and 2.917 mi. S. P. R. 35-4, Jackson, to Carterville Constr. Co., Carterville, $9,939, $16,223, $78,839, $14,926 and $76,692 respectively; 4.811 mi. S. P. R. 16-53, Howell and 4.754 mi. S. P. R. 16-52, Howell, to Muskogee Contg. Co., Tulsa, Okla., $15,297 and $20,681 respectively; 0.729 mi. S. P. R. 20-11, Lafayette, and 0.729 mi. S. P. R. 20-11, Lafayette, to A. J. Cosby, Leeds, $26,192 and $38,027 respectively; 4.207 mi. S. P. R. 76-8, Taney, and 1.184 mi. S. P. R. 80-1, Ozark, to Smith & Creech Constr. Co., St. Louis, $35,424 and $11,886 respectively; 2.939 mi. S. P. R. 5-3, Putnam, and 3.828 mi. S. P. R. 5-2, Putnam, to C. P. O'Reilley, Wainwright Bldg., St. Louis, $8,597 and $14,315; 3.566 mi. S. P. R. 12-17, Pettis, and 3.566 mi. S. P. R. 12-17, Pettis, to A. A. Davis & Co., 301 West 19th St., Oklahoma City, Okla., $34,668 and $35,036 respectively; 2.426 mi. S. P. R. 1-6, Atchison, to G. W. Condon, 510 Farnum Bldg., Omaha, Neb., $12,936; 0.089 mi. S. P. R. 3-115, Taney, to Easley Bros., Aurora, $2,158; 1.572 mi. S. P. R. 12-16, Pettis, to Bertman & Menafee, Sedalia, $10,721; 4.04 mi. S. P. R. 47-1, Lincoln, to W. P. Smith, Troy, $29,211; 1.366 mi. S. P. R. 1-19, Holt, to Allison Dillingham Constr. Co., Oregon, $11,516; 4.034 mi. S. P. R. 15-28, Monroe, to Newton Constr. Co., California, $36,970; 4.104 mi. S. P. R. 3-108, Christian to Cox & Chaney, Branson, $14,131. Noted Dec. 6.

**Ark., Fayetteville**—Grading and surfacing College, Center, School and East Maple Sts., 30,000 sq.yd. asphaltic concrete on concrete, to Moreno-Burkham Constr. Co., Syndicate Trust Bldg., St. Louis, $80,000.

**Ark., Osceola**—Mississippi Co. grading, surfacing, etc. 37.75 mi. in Mississippi County Rd. Impvt. Dist. 1, 20 ft., 398, 747 sq.yd. Topeka mix asphalt, 137.87 cu.yd. concrete, 36,325 cu.yd. earth excav., 427,153 sq.yd. concrete base, 3,939 cu.yd. sand cushion, preparing 389,660 sq.yd. sub-grade fine grading, etc.; grading, etc., to E. E. Parke, Okmulgee, Okla. surface and concrete base, to H. H. Hall Constr. Co., Murphy Bldg., East St. Louis, Ill. Total cost $750,000.

**Tex., Dallas**—Paving with willite asphalt on 5 in. concrete, Cockrell, 2nd, Colonial, 8th and Oram Sts., to Fuller Constr. Co., Amer. Exch. Natl. Bank Bldg., $159,674; warrenite bitulithic on 2 in. and 5 in. concrete, on Walter, Henderson, 9th, 4th, Fitzhugh, Waverley, Oakland and Madison Sts., to Central Bitulithic Co., Praetorian Bldg., $319,979; brick on McKinney, Alamo and Hord Sts., to Smith Bros., Sumpter Bldg., $42,903. Noted Dec. 13.

**Tex., Houston**—See "Unclassified."

**Tex., Jasper**—Jasper Co. gravel surfacing 4.24 mi. State Highway 36, State Aid Project 93, 12 ft., and grading, gravel surfacing and bridging 6.41 mi. State Highway 63, Federal Aid Project 82, 12 ft., to R. B. Sparks, Gaston Bldg., $9,381 and $47,419 respectively; 6.677 cu.yd. and 9,875 cu.yd. gravel furnished by county $19,830 and $27,961 respectively. Engrs. est. $32,133 and $82,918 respectively. Noted Dec. 13.

**Oklahoma** — State Hy. Dept., Oklahoma City, grading and paving 11.73 mi. road from Norman to Oklahoma Co. line, Federal Aid Project 112, 125,857 sq.yd. asphalt, 56,287 cu.yd. earth, 571 cu.yd. rock excav., to Southern Constr. Co., Durant, $329,765.

**Okla., Oklahoma City**—Grading and paving 5 blocks 19th St., 4,200 sq.yd. concrete, to M. A. Swatek & Co., Security Bldg., $22,422. Noted Dec. 6.

**Idaho**—Bureau of Highways, Boise, grading and crushed rock surfacing 10.25 mi. Federal Aid Project 75, Sects. A and B, to J. A. Terteling & Sons, Moscow, 71,032 cu.yd. excav. $0.28, 4,428 cu.yd. rock excav. $1.25, 93 cu.yd. structural concrete $24, 21,559 cu.yd. 8 in. surfacing, etc. total $100,844. Noted Nov. 1.

**Wash., Seattle**—Bd. Pub. Wks., grading and paving Youngstown Pl. et al., to Goetz & Brennan, Seaboard Bldg., $359,004 (clay). Noted Dec. 13.

**California**—State Hy. Comn., Sacramento, grading and concrete paving 9.95 mi. Redding-Bayha Rd., Shasta Co., (11-Sha-3-B) to Kaiser Paving Co., Amer. Bank Bldg., Oakland, $423,287. Noted Dec. 13.

**Calif., Hawthorne** — Improving Raymond and Hawthorne Aves., 96,000 sq.ft. 2½ in. asphalt base with 1½ in. Willite surface, 310,000 sq.ft. 4 in. asphalt base, 2 in. Willite surface, grading, curbs, gutters, etc., to Oswald Bros., 366 East 58th St., Los Angeles, approximately $213,500. Noted Dec. 13.

**Calif., Los Angeles**—Will pave 108,400 lin.ft. Mulholland Dr. Highway, 24 to 40 ft., ultimate width 200 ft., by force account. D. L. Reaburn, Central Bldg., consult. engr. and general supt.

**Que., Montreal**—Grading 56,500 sq.yd. Sherbrooke St., to F. Lapan, 601 Lacordaire Ave., $87,960, paving 6,500 sq.yd. Marquette St., 3 in. asphalt on 6 in. concrete, to Quinlan, Robertson & Janin Ltd., 50 Notre Dame St. W., $33,805. Noted Dec. 13.

**Ont., North Bay**—Asphalt pavements to Warren Bituminous Paving Co. 54 University Ave., Toronto, $193,729.

# Industrial Works

**PROPOSED WORK**

**Conn., Hartford**—Storage—Fuller Brush Co., Windsor Ave., plans 2 story, brick and steel storage plant. $50,000. Private plans.

**Conn., Waterbury**—Storage, etc.—F. Pepe, 42 Canal St., plans remodeling 3 buildings and adding extra stories on each building, etc., Bank St. $60,000. T. M. Freney, 51 Leavenworth St., archt.

**N. Y., Brooklyn**—Plant—Organic Preparation Co., 60 Hewes St., soon takes bids 1 story, 60 x 140 ft., rein.-con., brick and steel addition, plain foundation. $50,000. Tillion, Acock & Tillion, 103 Park Ave., New York, archts. and engrs.

**Pa., Bessemer**—Engine House—Bessemer & Lake Erie R.R., Greenville, having plans prepared for engine house. Private plans. H. S. Porter, c/o owner, engr.

**Pa., Bethlehem** — Plants — Bethlehem Steel Co. plans to complete 8,000 hp. boiler house at Franklin plant, construct clay-mixing and ladle house for blast furnaces, install coke-screening system for 3 Franklin furnaces, changes and additions to steel car plant at Franklin, erect coal spillage elevator at Rosedale coke plant, double track 2 mi. railroad, establish liming station at Quemahoning Dam.

Industrial Works (Continued)

**D. C., Wash.**—Warehouse—R. P. Andrews Co., 727 13th St., N. W., having plans prepared by Milburn-Heister Co., 710 14th St., N. W., for warehouse Canal and A Sts. $100,000.

**Va., Glenlyn**—Power Plant—Appalachian Power Co., 31 Nassau St., New York, having plans prepared by Ville, Blackwell & Buck, engrs. and archts., 49 Wall St., New York, 60,000 kw. capacity plant. $2,000,000.

**N. C., Kinston**—Plant—Washington Gas Co., Washington, plans plant, here. $100,000. Expect to start work in January. M. Mitchell, mayor.

**Fla., Fort Myers**—Gas Plant, Dec. 28 to vote on $130,000 bond issue for gas plant and mains. F. E. Smith, clk.

**Tenn., Memphis**—Assembly Plant—Ford Motor Co., Highland Park, Detroit, Mich., having plans prepared by A. Kahn, Marquette Bldg., Detroit, Mich., brick and steel plant, Riverside Blvd., here. Taking bids on steel framework, to cost several hundred thousand dollars. Total cost $1,000,000.

**Ky., Louisville**—Power House—Louisville Hydro Electric Co., 321 West Chestnut St., having plans prepared power house here. Probably one or two million dollars. D. McDonald, c/o owner, engr.

**Ky., Mt. Sterling**—Stockyards—Farmers Incorporated Stock Sales Co. plans stockyards. $40,000.

**O., Cleveland**—Garage—A. P. Jones, 304 Alhambra Theatre Bldg., had plans prepared 1 story and basement, 70 x 70 ft. brick and timber, East 71st St. and Cedar Ave. $40,000. Private plans.

**O., Cleveland**—Plant—German Consolidated Newspapers Co., c/o C. Raid, genl. mgr., 1570 West 3rd St., takes bids about Dec. 22, 3 story, 90 x 132 ft., brick, steel and concrete, 12th St. and Oregon Ave. $150,000. P. S. Schmidt, 4500 Euclid Ave., archt.

**O., Cleveland**—Warehouse—Morgan Sash & Door Co., 2435 Orange Ave., having plans prepared by A. Sogg, 319 Hippodrome Bldg., 2 story, 105 x 300 ft. brick and steel or mill construction. $150,000.

**O., Columbus**—Garage, etc.—Belt-Franklin Co., 224 East Gay St., having plans prepared 3 story and basement, 62 x 187 ft., garage and salesroom, brick and concrete, East Broad St. $150,000. Engineer and architect not announced.

**Wis., Madison**—Garage—Fox Motor Car Co., 107 East Doty St., having plans prepared by P. G. Homer, Pioneer Block, 2 story, 72 x 165 ft. brick, rein.-con. and steel, plain foundation, $50,000.

**Kan., Coffeyville**—Plant—City plans election to vote on $500,000 bonds gas production and distributing plant. T. R. Marshall, Coffeyville, engr.

**Mo., Rush Tower**—Sawmill and Polishing Plant—Missouri Marble Quarries, Inc., St. Louis, plans sawmill and polishing plant, 1 mi. from here facing Mississippi River. To exceed $125,000. G. J. Breaker, Boatmen's Bank Bldg., St. Louis, one of incorporators.

**Mo., St. Louis**—Factory—Diamond Wood Heel Mfg. Co., 407 South Bway., having plans prepared by E. J. Hess, 3228 Magnolia Ave., 2 story and basement, 75 x 168 ft., brick and rein.-con. $65,000.

**Ark., Little Rock**—Power House, etc.—Arkansas Central Power Co., plans extensions and improvements to power house, new switchboard, etc., Arch St. $100,000.

**Tex., Houston**—Ice Plant—Eureka Ice Co., Travis St., having plans prepared ice plant, brick and concrete. $150,000. Engineer and architect not announced.

**Tex., Salado**—L. Harrington Co., engrs., Houston Bldg., San Antonio, preparing plans and takes bids soon, power plant, pumping plant, crusher, elevators, washer, screens and bins. Owner's name withheld.

**Calif., Colton** — Substation — Southern California Edison Co., 306 West 3rd St., Los Angeles, plans to enlarge sub-station. $250,000.

**Calif., Los Angeles** — Factory — R. C. Durant, 10910 East 14th St., Oakland, A. G. Waddell, 346 Hanover St., Oakland, et al., plan factory buildings, here. To exceed $2,500,000.

**Calif., Los Angeles** — Factory — Hoyt Teater Co., 2838 East 2nd St., having plans prepared by Walker & Eisen, Pacific Finance Bldg., 1 story, 70 x 200 ft. brick, Santa Fe Ave., $40,000.

**Calif., Los Angeles** — Factory — Ironall Factory of California, 822 South Los Angeles St., having plans prepared by F. D. Chase, Inc., Title Insurance Bldg., 6 story, 100 x 150 ft. rein.-con. $165,000.

**Calif., Los Angeles**—Garage—Peerless Auto Agency, 1620 South Figueroa St., having plans prepared by McNeal-Swasey, Hibernian Bldg., 2 story, 114 x 150 ft., brick garage and salesrooms, Gordon St.

**Calif., Los Angeles**—Plant—Los Angeles Brewing Co., 1920 North Main St., having plans prepared by L. A. Parker, archt., Pacific Electric Bldg., 2 story, 125 x 175 ft., brick, North Main St.

**Calif., Los Angeles**—Plant—Natl. Paper Products Co., 1789 Montgomery St., San Francisco, and Zellerbach Paper Co., 534 Battery St., San Francisco, plan paper plant, here. Total expenditure of plant and equipment will exceed $1,750,000. J. Y. Barun, 220 South Los Angeles St., dist. genl. mgr.

**Calif., Los Angeles** — Warehouse — A. Wohlfarth, 1607 Pleasant Ave., having plans prepared by A. C. Martin, Higgins Bldg., 8 story, 50 x 150 ft. rein.-con., Pico and Normandie Sts. $100,000.

**Calif., Oakland** — Garage — Telegraph Avenue Corp., c/o M. I. Diggs, archt., (who is interested in corporation), 19th St. and Telegraph Ave., had preliminary plans prepared underground garage with sub-basement under other building, 19th St. and Telegraph Ave. $150,000.

**Calif., Sacramento** — Warehouse and Workshop—W. P. Fuller Co., 10th and R Sts., having plans prepared by E. C. Hemmings, and L. Stark, Ochsner Bldg., 2 story and basement, rein.-con., brick and steel, 10th and R Sts. $50,000 for first unit.

**Calif., San Francisco**—Garage—J. Pelaprat, 202 14th St., plans 50 x 275 ft. rein.-con., 18th St. near Sanchez St. $42,000.

**Calif., San Francisco** — Service — See "Buildings."

**Que., Chelsea**—Power House, etc.—Riorden Co. Ltd., 355 Beaver Hall Hill, Montreal, plans power house and dam here on Gatineau River, $1,500,000. Montreal Eng. Co. Ltd., 164 St. James St., Montreal, engrs. Company plans to run hydro lines to city of Hull and Ottawa,, etc.

**Que., Outremont**—Garage—Bernard Ave. Garage Co., Bernard Ave., having plans prepared by Perrault & Godbois, 2100 Park Ave., Montreal, 90 x 167 ft., Bernard and L'Epee Aves., $250,000.

**Ont., Windsor**—Brewery—Amer. Brewing Co. having plans prepared by G. A. Mueller, 1510 Stroh Bldg., Detroit, Mich., 3 and 5 story, rein.-con. and brick, plain foundation. $50,000.

## BIDS DESIRED

**Mass., Cambridge** (Branch of Boston)—Factory—J. F. Linckman, 33 Edinboro St., Boston, taking bids and opens same about Jan. 3, 5 story and basement, 100 x 150 ft., rein.-con. and brick, wood pile foundation, here. $300,000. Brainerd & Leeds, 89 Franklin St., Boston, archts. Noted Nov. 15.

**Conn., Bridgeport**—Service Station, etc.—Dec. 21, by Fletcher-Thompson, Inc., engrs., 542 Fairfield Ave., 1 and 2 story, 100 x 298 ft., brick, concrete and steel, Fairfield Ave., for A. L. Clark Co., 1710 Main St. $150,000. Noted May 24.

**Md., Baltimore**—Laundry and Garage, etc.—See "Buildings."

**Fla., Jacksonville**—Assembly Plant—Dec. 22, by A. Kahn, archt., 1000 Marquette Bldg., Detroit, Mich., 1 story, 200 x 560 ft., brick and steel, 8th St., for Ford Motor Co., Highland Park, Mich.

**O., Toledo** — Industrial — Dec. 27, by Devore Co., archts. and engrs., Nicholas Bldg., 1 story, 187 x 1002 ft. polishing and grinding plant, railroad siding and drainage work, East Bway., for Libbey-Owens Sheet Glass Co. $1,000,000. Noted Dec. 13.

**Mich., Iron Mountain**—Plant—Dec. 27, by Ford Motor Co., Highland Park (Detroit P. O.) 2 story, 91 x 310 ft. brick and steel carbonization plant. A. Kahn, 1000 Marquette Bldg., Detroit, archt.

**Wis., Milwaukee** — Warehouse — Brust & Philipps, archts., 405 Bway., taking bids 1 story, 40 x 100 ft. brick and timber, plain foundation, Green Bay Rd., for Boston Blacking Co., 572 Edison Ave. $40,000.

**Wis., Milwaukee**—Warehouse—Union Oil Supply Co., 29th and Forest Homes Aves., taking bids 1 story, 73 x 120 ft., brick and timber warehouse, plain foundation, Leeck Pl. $40,000. J. Topzant, 144 Oneida St., archt.

**Cuba, Velasco**—Mill—Cuba Cane Sugar Corp., 112 Wall St., New York City, will build sugar mill, here, by separate contracts under supervision of owners. $200,000.

## CONTRACTS AWARDED

**N. Y., Buffalo**—Mill—Russell-Miller Milling Co., 434 Security Bldg., Minneapolis, Minn., 8 story, 50 x 180 ft. rein.-con., with 10 ft. platforms, Childs St. and Buffalo River, here, to J. W. Cowper Co., Fidelity Bldg., who will let sub-contracts. Engineers of above company will superintend construction. Noted Oct. 18.

**N. Y., Canajoharie**—Storage—Beech-Nut Packing Co., 4 story and part basement, 60 x 100 ft., rein.-con., to M. C. Tuttle Co., 862 Park Sq. Bldg., Boston, Mass.

**N. Y., Newburgh**—Storage and Manufacturing Plant—Crawshaw Carpet Co., 635 Bway., 2 story, 50 x 106 ft., rein.-con., brick and steel, plain foundation, to B. M. Higginson, Inc., 64 2nd St. Archts. est. $50,000. Noted Nov. 22.

**N. Y., Rensselaer**—Textile—W. Barnet & Son, Inc., 4 story, 68 x 90 ft., brick and steel addition, plain foundation, 1st St., to W. Hayes, 59 North Swan St. $75,000 plus 10%.

**N. Y., Yonkers**—Garage—J. J. Hayes, Proctor Bldg., will build 2 story, 100 x 100 ft., brick, School and Herriott Sts., by day labor. $50,000. W. P. Katz, 2 Hudson St., archt. Noted Nov. 1.

**N. J., Salem**—Factory—Congoleum Co., Inc., Morris Bldg., Phila., 1 story, 103 x 120 ft., and 3 story, 65 x 100 ft., brick and steel, plain foundations, here, to Austin Co., Jefferson Bldg., Phila., $100,000.

**Pa., Allentown** — Plant — Amer. Beauty Silk Co., Meadow and Allen Sts., 3 story, 50 x 60 ft. plant, to Ritter & Smith, Allentown, $40,000.

**Pa., Beaver Falls** — Sub-Station — Duquesne Light Co., Chamber of Commerce Bldg., Pittsburgh, 2 story, 28 x 45 ft. substation in Water Alley, to D. P. Robinson Co., 1300 Penn Ave., Pittsburgh, $100,000.

**Pa., Carlisle**—Plant—Lockwood-Greene & Co., archts. and engrs., 101 Park Ave., New York City, 3 story, 250 x 600 ft., rein.-con., brick and steel plant, plain foundation, for C. H. Masland & Sons, Carlisle, to H. A. Lackey, Carlisle. Noted Dec. 6.

**Pa., Holmesburg** (Phila. P. O.)—Machine Shop—Electric Development & Machine Co., Shellmere and Edmunds Sts., 1 story, 84 x 432 ft. brick and steel, plain foundation, to Franklin, Harris & Co., 1520 Parrish St., Phila., $75,000.

**Pa., McKeesport**—Sub-Station—Duquesne Light Co., Chamber of Commerce Bldg., Pittsburgh, 2 story and basement, 40 x 68 ft., 3rd Ave., to D. P. Robinson Co., 1300 Penn Ave., Pittsburgh, $70,000.

**Pa., Pittsburgh**—Sub-Station—Duquesne Light Co., Chamber of Commerce Bldg., 2 story and basement, 74 x 109 ft. substation, 636 2nd Ave., and 2 story and basement, 30 x 68 ft. substation, on Winthrop Ave., to Dwight P. Robinson Co., 1300 Penn Ave., $150,000 and $75,000 respectively.

**Md., Mt. Winans** (Baltimore P. O.)—Factory—Maryland Glass Corp., 1 story, 100 x 120 ft. and 1 story, 60 x 140 ft. brick, plain foundation, to Austin Co., 16112 Euclid Ave., Cleveland, O., $63,000.

**W. Va., Williamson**—Garage—Universal Motor Corp., 1 story 90 x 150 ft. brick, to W. E. Preston, Williamson, $40,000.

**N. C., Rockingham**—Cotton Mill—Hannah Pickett Co. 250 x 390 ft. mill, 25,000 spindles and 800 looms, to T. C. Thompson Bros., Rockingham.

**O., Cleveland**—Factory—P. A. Geier Co., c/o P. R. Geier, pres., 540 East 105th St., 4 story and basement, 80 x 230 ft., brick and rein.-con., to E. F. Gibbons Constr. Co., Prospect-Fourth Bldg. Archts. est. $300,000. Noted Nov. 22.

**O., Cleveland**—Factory—Peerless Motor Car Co., 2555 East 93rd St., labor only for 1 story, 96 x 196 ft., steel addition, to United Erecting Co., Euclid-46th Market Bldg. Archts. est. $45,000.

**O., Cleveland**—Factory—Richman Bros., 1600 East 55th St., 2 story and basement, 65 x 200 ft., brick and rein.-con. addition, to S. W. Emerson Co., Union Bldg. Archts. est. $150,000. Noted Nov. 29.

**O., Cleveland** — Factory — Taylor-Lockwood Co., 2230 Clarkwood Ave., 2 story, 57 x 72 ft., brick, steel and concrete addition, to W. Dunbar Co., 8201 Cedar Ave. Archts. est. $40,000.

**O., Cleveland**—Warehouse—Bourne-Fuller Co., Hanna Bldg., 1 story, 62 x 300 ft., and 65 x 300 ft. steel and asbestos metal additions, East 53rd St., to Massillon Bridge & Structural Co., Massillon. Archts. est. $150,000. Noted Nov. 22.

**O., Uhrichsville**—Factory, etc.—Federal Colleries Co., c/o H. H. Felsmans, secy., Leader News Bldg., Cleveland, will build 3 story, 112 x 286 ft. factory, 48 x 80 ft. machine shop and 42 x 82 ft. boiler room, brick and steel, here, by day labor, under supervision of J. W. Moore, supt. constr. $250,000. W. C. Owen, Hanna Bldg., Cleveland, archt. and engr. Noted Nov. 8.

**Ind., Indianapolis**—Garage—L. B. Millikin, 501 North Delaware St., will build 1 story, 97 x 107 ft., rein.-con. and brick, 21st St., by day labor. $50,000. Private plans. Noted Nov. 29.

Industrial Works (Continued)

**Ind., Michigan City**—Tile Works—V. Milcarek will build 2 story, rein.-con., Orthur St., by day labor. $300,000. Ohlgrim & Boonstra, Michigan City, archts.

**Wis., La Crosse** — Factory, etc. — La Crosse Rubber Mills Co., Indian Hill, 4 story and basement, brick and concrete, factory and power house, plain foundation, to Holm-Page Co., Kishwaukee St., Rockford, Ill. $80,000.

**Wis., Lake Mills** — Garage — Overland Garage Co., c/o O. W. Farmer, mgr., 1 story, 50 x 70 ft. garage and repair shop, brick, rein.-con. and steel, plain foundation, to Hunzickir Constr. Co., Lake Mills. $40,000.

**Wis., La Crosse**—Factory—La Crosse Rubber Mills Co., c/o F. Stewart, mgr., will build 4 story and basement, 60 x 150 ft. factory and power house, brick, rein.-con. and steel, plain foundation, by day labor. $60,000. Private plans.

**Wis., Milwaukee**—Garage—Yunker-Hansen Sales Co., 6516 Greenfield Ave., 1 story, 40 x 120 ft., brick and concrete, plain foundation, to Yunker Bros., 615 37th Ave., $40,000.

**Wis., Milwaukee** — Newspaper Plant — Journal Co., 182 4th St., 5 story superstructure, 152 x 200 ft., brick and concrete, plain foundation, to W. W. Oeflein, 86 Michigan St. Archts. est. $500,000. Noted Aug. 23.

**Wis., Milwaukee** — Storage — Hummel & Downing Co., 324 Thomas St., 1 story, 100 x 102 ft., concrete and steel, plain foundation, Newhall St., to P. Riesens Sons, 1018 Humboldt Ave. Est. $40,000. Noted Dec. 13.

**Wis., Milwaukee** — Warehouse — Amer. Mill Supply Co., 1718 Vliet St., 1 story, 40 x 140 ft. brick and wood, plain foundation, Auer Ave., to M. Wachofsky, 539 4th St. Archts. est. $45,000.

**Ia., Des Moines**—Warehouse—See "Buildings."

**Ia., Sioux City**—Garage—F. H. Clark, 609 Pierce St., general contract 2 story, 100 x 150 ft. brick and concrete, 5th and Jennings Sts., to J. Keeffe, 1620 West 5th St., $51,790.

**Mo., Springfield**—Printery—Inland Printing Co., 413 East Oliver St., 1 story, 60 x 162 ft., brick, steel and rein.-con., to S. E. Dobbs, 530 West Tynn St. Archts. est. $60,000.

**Tex., Dallas**—Warehouse—E. P. Fisher, 2428 South Harwood St., general contract, 1 story, brick and concrete warehouse, Commerce St., to L. H. Lacy Co., 3310 Commerce St., $50,000. Total cost $100,000.

**Tex., Ft. Worth**—Garage—Gabert Auto Wks., Throckmorton St., 2 story, 110 x 200 ft., brick, to Southwell & Addott, Natl. Bank Bldg., $50,000.

**Calif., Glendale**—Garage—Tanner & Hall, 237 South Brand St., 1 story, 75 x 156 ft., brick, Maple and Brand Sts., to E. Elliott, 612 East Elk Ave.

**Calif., Long Beach**—Garage—Ocean View Garage, 34 Locust St., 1 story, 120 x 170 ft. brick, American Ave. and 20th St., to Austin & Co., Bartlett Bldg., Los Angeles.

**Calif., Long Beach**—Power Station—Southern California Edison Co., Edison Bldg., Los Angeles, 60,000 kw. extension to power station, here, to Stone & Webster, Inc., 147 Milk St., Boston, Mass.

**Calif., Los Angeles**—Bakery—Christopher Co., 2101 South Los Angeles St., 1 story, 50 x 175 ft. brick, 21st and Los Angeles Sts., to May & Grimwood, Haas Bldg., $41,500.

**Calif., Los Angeles**—Boiler House—See "Buildings."

**Calif., Los Angeles**—Garage—M. A. Bresee, 941 Bon Brae St., 1 story, 60 x 150 ft. brick, Bronson Ave., to Bartlett & Corey, 256 North Belmont Ave.

**Calif., Los Angeles** — Garage — Retzer Bros. 1200 East 7th St., 1 story, 110 x 160 ft., brick, Pasedena Ave., to L. J. Moser, 8335 Sunset Blvd.

**Calif., Santa Monica**—Garage—H. Malian, 1232 11th St., 1 story, concrete, Santa Monica Blvd., to Western States Constr. Co., Santa Monica, will exceed $45,000.

**Calif., San Francisco**—Garage—J. Pasqualetti, 785 Market St., 2 story, rein.-con., Ocean Ave., to Amer. Concrete Co., Humboldt Bank Bldg., $45,000.

**Calif., San Francisco**—Warehouse—R. W. Kinney Co., 645 Howard St., 3 story, concrete, 5th and Bryant Sts., to Cahill Bros., 110 Sutter St., $40,000. **Noted Nov. 29.**

## Buildings

### PROPOSED WORK

**Conn., Groton**—Home—Odd Fellows of Connecticut, c/o Whiton & McMahon, archts., 36 Pearl St., Hartford, plan three 3 story, fireproof, plain foundations. $450,000.

**Conn., Hartford**—Apartment—L. Greenshpon, 20 West St., having plans prepared by Berenson & Moses, 30 Allyn St., 4 story, 90 x 140 ft., brick, plain foundation, Buckingham St. $150,000.

**Conn., Hartford**—Industrial Home—Salvation Army, 344 Trumbull St., plans 4 story, brick, stone and steel, plain foundation, Edward St. $150,000.

**Conn., Hartford**—Office—D. A. Dunham, 199 North Beacon St., having plans prepared by Smith & Bassett, 36 Pearl St., 3 story, 48 x 100 ft., also remodeling 2 large buildings, Lewis St., $200,000.

**Conn., Waterbury**—Hotel—W. Wood, 224 East Main St., having plans prepared by C. J. Bailey, 63 Bank St., 4 story, brick and steel, plain foundation, East Main St. $150,000.

**N. Y., Buffalo** — High and Vocational School—Bd. Educ., 1400 Telephone Bldg., plans high and vocational school. $2,500,000. Associated Buffalo Architects, 234 Delaware Ave., archts.

**N. Y., Buffalo**—Office and Store—H. C. Curtis, Erie Co. Bank Bldg., had plans prepared 4 story, 100 x 150 ft., rein.-con., brick and steel, Delaware Ave. $160,000. Engineers and architects names withheld.

**N. Y., New York**—Apartment—C. Kreymborg, archt. and engr., 2534 Marion Ave., preparing sketches 5 story, 100 x 100 ft., brick, steel and stone, Morris Ave. $250,000. Owner's name withheld.

**N. Y., New York**—Apartment—D. S. Lang, archt. and engr., 110 West 34th St., preparing sketches 5 story, 100 x 105 ft., brick, steel and stone, Bryant Ave. $250,000. Owner's name withheld.

**N. Y., New York** — Apartment-Hotel — Three Hundred Two West Seventy-Fifth St. Corp., c/o R. T. Lyons, archt. and engr., 342 Madison Ave., soon takes bids 15 story, brick, steel and stone, West 75th St. $750,000.

**N. Y., New York** — Apartment-Hotel — Warinick Corp., c/o L. A. Abramson, archt. and engr., 48 West 46th St., soon takes bids 14 story, brick, steel and stone, 3rd Ave. $2,000,000.

**N. Y., White Plains**—Apartment—Yorkshire Apartments, c/o H. C. Ingalls, archt. and engr., 347 Madison Ave., New York City, soon takes bids 5 story, brick, steel and stone, plain foundation, Martine Ave., here. $500,000.

**New Jersey**—Schools—Hopewell Twp. Bd. Educ., Hopewell, plans 3 schools, 1 at Hopewell, 1 at Pennington and 1 on Pennington Rd. $220,000. J. O. Hunt, 219 East Hanover St., Trenton, archt. Noted May 31 under "Hopewell."

**N. J., Bridgeton** — Hospital — Stearns & Woodnutt, archts., St. Girard Bldg., Phila., preparing plans and take bids about Feb. 1, 3 story and basement, 40 x 140 ft., brick and steel, plain foundation, Irving and Magnolia Sts., here, for Bridgeton Hospital. $150,000.

**N. J., Lambertville** — School — Lambertville Bd. Educ. plans school. $185,000. E. Moonan, mayor.

**Pa., Allentown** — Schools — School Bd. plans two 12 room additions to Sheridan and Roosevelt Schools, $400,000. Architect not selected.

**Pa., Altoona** — Home — Jaffa Temple Shriners, 709 Chestnut Ave., plans 3 story and basement, 200 x 200 ft., Broad Ave. $500,000.

**Pa., Johnstown** — Public Safety — City having plans prepared by Hersh & Shollar, Commerce Bldg., Altoona, 3 story and basement, 100 x 150 ft., concrete, brick and steel, Market and Washington Sts. $250,000.

**Pa., Palmerton**—High School—Bd. Educ. having revised plans prepared by W. H. Lee, 15th and Rase Sts. and soon takes new bids 3 story and basement, 139 x 165 ft. rein.-con., brick and steel, 3rd and Lafayette Sts. Noted Nov. 15.

**Pa., Phila.**—Apartment—Nineteenth and Spruce Sts. Corp., c/o Ballinger & Co., archts., 12th and Chestnut Sts., having plans prepared 15 story, on lot 14 x 133 ft. 19th and Spruce Sts.

**Pa., Phila.**—Club—Penn Athletic Club, 925 Chestnut St., had plans prepared by Zanzinger, Borie and Medary, Otis Bldg., 14 story, 175 x 200 ft., rein.-con. and steel, 18th St. between Walnut and Locust Sts. $2,500,000. Will take bids about March 1.

**Md., Baltimore**—Apartment—R. Parr, 219 East Redwood St., interested in syndicate which is having plans prepared by C. N. and N. Friz, Lexington Bldg., 6 story, brick and steel, Park Heights Ave. near Suburban Club. $800,000. H. F. Doeleman, 507 North Charles St., engr.

**W. Va., Clarksburg**—Church—Church of Immaculate Conception having plans prepared by E. J. Weber, K. of C. Bldg., Pittsburgh, 1 story and basement, 65 x 160 ft., East Pike and Maple Sts. $250,000.

**W. Va., Huntington**—Office—Meanor & Handloser, archts., Robson-Prichard Bldg., soon take bids 14 story, 60 x 170 ft. brick and steel, 11th St. and 4th Ave., for Coal Exchange Building Co., Inc. $1,000,000.

**W. Va., Morgantown**—Church—Baptist Church plans church. $150,000. E. M. Everly, Morgantown, engr.

**W. Va., Wellsburg**—Church—St. John's Evangelical Congregation having plans prepared by E. J. Weber, K. of C. Bldg., Pittsburgh, 2 story and basement, 66 x 132 ft. $150,000.

**W. Va., Williamson**—Hotel—Chamber of Commerce having plans prepared by Meanor & Handloser, Huntington, 5 story and basement, 100 x 180 ft. $200,000.

**N. C., Fayetteville**—School—Cumberland Co. sold $183,000 bonds new school. E. A. Poe, chn. B. T. McBryde, supt. schools.

**N. C., Greensboro** — Depot — City and Southern Ry. Co., 13th St. and Pennsylvania Ave., Wash., D. C., had plans prepared by A. Fellheimer, 7 East 42nd St., New York City, and soon lets contract depot. City voted $1,300,000 bonds for work in conjunction with Southern Ry. Co. Address H. W. Miller, vice-pres. Southern Ry. Co.

**Ala., Athens**—Church—Firth Methodist Episcopal Church plans 1 story and balcony, Jefferson and North Sts. $150,000.

**La., Alexandria**—School—Voted $1,250,000 bonds for schools, for Bd. Educ. Favrot & Livaudais, Hibernia Bank Bldg., New Orleans, archts. Noted Oct. 11.

**La., New Orleans**—Hospital—Administrators of Charity Hospital, Tulane and Villere Sts., having plans prepared by Favrot & Livaudais, Hibernia Bldg., for first unit to cost $1,160,000, two other units will be built, making total cost $3,750,000.

**Tenn., Knoxville** — Apartment — Laurel Heights Apartment, Inc. having plans prepared by Barber & McMurray, Burnell Bldg., 6 story, rein.-con. and tile, Laurel Ave. and 8th St. $240,000.

**Tenn., Memphis**—Apartment—D. Dermon, Madison Ave., having plans prepared by W. C. Lester, Madison Ave. Bldg., 200 x 232 ft., Poplar and Cooper Sts. $150,000.

**Tenn., Nashville** — Office — Independent Life Insurance Co., Independent Life Bldg., takes bids about Jan. 3, 2 story addition to present 12 story rein.-con., steel and stone, 4th and Church Sts. $150,000. G. Waller, 210 Independent Life Bldg., archt. Noted Dec. 13.

**Ky., Lexington**—Library—Transylvania College plans 3 story library. $150,000. Architect not selected.

**Ky., Louisville** — Seminary — Southern Baptist Theological Seminary, 5th and Bway, having plans prepared by J. G. Rogers, 367 Lexington Ave., New York City, seminary and dormitory on Cherokee Dr. $500,000. Plain foundation for dormitory, to H. Bickel & Co., 443 Garden St. Est. cost $50,000. Noted May 24.

**Ky., Louisville**—Temple—Scottish Rite Assn., 438 6th St., will open bids about Feb. 1, (extended date) temple, 4th and Breckenridge Sts. $750,000. Nevin, Wischmeyer & Morgan, Starks Bldg., archts. Noted Nov. 15.

**Ky., Murray**—Hospital—William Mason Memorial Hospital plans 3 story, 40 x 84 ft. rein.-con. addition. $150,000. C. G. Lowry, Murray, archt.

**O., Cleveland** — Office — Rapid Transit Land Co., 2409 Euclid Ave., having plans prepared by J. H. MacDowell, Bulkley Bldg., 3 story, concrete, brick, steel and wood. East 105th St. $150,000.

**O., Cleveland**—School and Seminary—Polish Sisters of St. Joseph, 6700 Lansing Ave., plan 2 story and basement, Granger Rd. $150,000. Architect and engineer not selected.

**O., Dayton**—Store—Simon & Co., 31 North Main St., having plans prepared by Pretzinger & Musselman, archts., 1155 Reibold Bldg., 3 story, 25 x 180 ft. rein.-con., stone and terra cotta, North Main St. $175,000.

**O., Lakewood** (Cleveland P. O.)—Apartment—J. T. Fritsche, 552 Leader-News Bldg., plans 4 story, brick, Lake Ave. and West 112th St. $200,000. Private plans.

**Ind., Indianapolis**—Recreation—J. Chartrand, 1347 North Meridian St., rejected bids 2 story and basement, 97 x 180 ft., rein.-con. and brick, North Meridian St. Kopf & Woolling, Pythian Bldg., archts. $150,000. Noted Dec. 6.

**Mich., Ann Arbor** — School — Michigan School of Religion, c/o L. W. Goodenough, 915 Hammond Bldg., Detroit, plans 3 story, rein.-con. and brick, plain foundation, Monroe St. $300,000. Engineer and architect not selected.

**Mich., Detroit**—Office—J. J. Garrison, 1 McGraw Bldg., plans 38 x 75 ft. rein.-con., brick and steel, plain foundation, Wayne and Congress Sts. $350,000. Engineer and architect not selected.

**Mich., Detroit**—Office—S. J. Murphy Co., 1206 Penobscot Bldg., having plans pre-

Buildings (Continued)

pared by Donaldson & Meier, 1314 Penobscot Bldg., rein.-con. and steel, Griswold and Fort Sts. $5,000,000 to $6,000,000.

**Mich., Detroit** — University — University of Detroit, East Jefferson Ave., having plans prepared by Malcomson, Higginbotham & Palmer, 1219 Griswold St., 12 new buildings, incl. administration, general science, gymnasium, engineering, library, chapel and power house, etc., 3 story and basement, fireproof, Livernois Ave. and Six Mile Rd.

**Ill., Freeport**—Store and Apartment—R. F. Koenig, 641 West Stephenson St., having plans prepared by J. R. and E. J. Law, 1st Central Bldg., Madison, Wis., 2 story, 50 x 156 ft., rein.-con., brick and steel, here. $150,000.

**Ill., Monticello**—Gymnasium—Twp. Community High School Bd. having preliminary plans prepared by J. C. Llewellyn, 38 South Dearborn St., Chicago, 2 story and basement, 70 x 140 ft., rein.-con., brick and stone. $150,000.

**Wis., Madison**—Church—Calvary University Church, c/o G. W. Wiegle, 654 Williamson St., plans 2 story and basement, about 75 x 190 ft., brick, rein.-con. and steel, plain foundation, Fitch Court. $160,000. Engineer and architect not selected.

**Wis., Madison** — Club — The University Club, 803 State St., having plans prepared by J. R. and E. J. Law, 1st Central Bldg., 4 story, about 60 x 150 ft. brick, rein.-con. and steel addition, plain foundation. $150,000. W. J. Mead, pres.

**Wis., Madison**—Schools—Bd. Educ. having plans prepared by J. R. and E. J. Law, 1st Central Bldg., 2 story and basement, 66 x 104 ft. brick, rein.-con. and steel addition to Longfellow School, plain foundation, $150,000; by F. L. Kroenberg, Carroll Blk., 2 story and basement, 60 x 90 ft. brick, rein.-con. and steel addition to Emerson School, plain foundation, $160,000.

**Wis., Rice Lake**—Hotel—W. W. Allen & Son, proprietors Tourist Hotel, having plans prepared by Johnson & Griswold, Wisconsin Blk., Superior, 3 story and basement, brick and concrete, plain foundation. $150,000.

**Kan., Wichita**—Temple—York Rite Masonic Assn. having plans prepared by Eberson & Weaver, 514 Orpheum Bldg., 7 story and basement, 74 x 134 ft., rein.-con. and brick. $400,000.

**Neb., Columbus**—High School—Bd. Educ. plans high school. $300,000 bonds voted. R. R. McGee, secy.

**Mo., Cape Girardeau**—High School—Defeated $268,000 bonds for junior high school. Noted Nov. 29.

**Mo., St. Joseph** — School — Defeated $3,000,000 bonds new school buildings. Noted Nov. 8.

**Tex., Dallas**—Store—Sanger Bros., Main and Lamar Sts., having plans prepared remodeling and building additions to present building, etc. $250,000. Engineer and architect not announced.

**Tex., San Antonio**—Hotel—C. Garrett, et al., having plans prepared by R. H. Cameron, 1115 City Natl. Bank Bldg., 12 story, rein.-con., brick, stone and part steel, Houston St. and Ave. E. $1,500,000.

**Wash., Everett**—Temple—Everett Aerie 13, Fraternal Order of Eagles Building Corp., plans temple. $170,000. E. M. Turner, pres.

**Wash., Tacoma**—Church—First Baptist Church having plans prepared by Heath, Gove & Bell, Puget Sound Bank Bldg., 4 story, 115 x 120 ft., rein.-con. and brick veneer, plain foundation, 9th and Market Sts. $200,000. W. W. Newschwander, c/o Puget Sound Natl. Bank, chn. building com. Noted Apr. 26.

**Calif., Berkeley**—Market—Telegraph Avenue Corp., c/o M. I. Diggs, archt., (who is interested in company) 19th St., and Telegraph Ave., Oakland, having plans prepared fireproof construction, North Berkeley section. $200,000.

**Calif., Eagle Rock**—College—Occidental College, Campus Rd., Los Angeles, having plans prepared by M. Hunt, Hibernian Bldg., Los Angeles, women's dormitory and administration building, fireproof construction, $150,000 and in excess of $150,000, respectively.

**Calif., Gridley** — High School — Gridley Union High School Dist. defeated $225,000 bond issue for school. Noted Nov. 15.

**Calif., Los Angeles**—Hotel and Store—E. N. Adam, c/o Russell & Alpaugh, archts., Story Bldg., had preliminary plans prepared 9 story and basement, rein.-con., 5th and San Pedro Sts. $400,000 or more.

**Calif., Los Angeles**—Hotel—A. Jerome, c/o L. L. Jones, archt., Grosse Bldg., having plans prepared 4 story and basement, brick, Lake St., $150,000.

**Calif., Los Angeles**—Hotel—N. Kratz, c/o L. A. Smith, archt., Lily Fletcher Bldg., having plans prepared 4 story and basement, brick, Fremont Ave. $150,000.

**Calif., Los Angeles**—Hotel and Store—Trattner & Harrison, Garland Bldg., having plans prepared by Walker & Eisen, Pacific Finance Bldg., 12 story, rein.-con., Bway. near 9th St., to exceed $500,000.

**Calif., Los Angeles**—Store and Hotel—E. N. Adam having plans prepared by Russell & Alpaugh, Story Bldg., 9 story and basement, 95 x 139 ft., rein.-con. and brick, 5th and San Pedro Sts. $600,000.

**Calif., Los Angeles**—Store and Hotel—Tratner & Harrison, Garland Bldg., having plans prepared by Walker & Eisen, Pacific Finance Bldg., 13 story, 90 x 143 ft., rein.-con. and brick, Bway. between 9th and 10th Sts. $1,000,000.

**Calif., Oakland**—College—Mills College, 59th Ave., had plans prepared by W. H. Ratcliff, Jr., 1st St. Natl. Bank Bldg., Berkeley, 2 story, rein.-con. and terra cotta arts building, first unit to cost $75,000, total $300,000.

**Calif., Oakland**—Store and Office, etc.—Telegraph Avenue Corp., c/o M. I. Diggs, archt. (who is interested in corporation), 19th and Telegraph Aves., having plans prepared department store, Telegraph Ave., $500,000; store and office, approximately 10 story, Northwest 13th St. and Franklin St., $800,000 to $900,000; 8 story hotel, Clay St. near 19th St., $400,000; market building, East Oakland section, $150,000 to $200,000; theatre, capacity 2,500 to 3,000, 19th St. and Telegraph Ave. $150,000 to $200,000. All fireproof construction.

**Calif., Palo Alto** — Theatre — Palo Alto Theatre Co., c/o Weeks & Day, archts., 315 Montgomery St., San Francisco, having preliminary plans prepared Class A construction, Ramona St., $150,000.

**Calif., San Francisco**—Apartment—Fabre & Hildebrand, archts., 110 Sutter St., preparing plans 6 story and basement, Class A construction, Jones St. near Bush St. $150,000. Owner's name withheld.

**Calif., San Francisco**—Apartment—P. D. Tyler, 1438 Cabrillo St., had plans prepared by W. Wethered, State Hotel, 5 story and basement, rein.-con., Leavenworth St. $150,000.

**Calif., San Francisco**—Auto Sales, etc.—White Motor Co., 6611 Euclid Ave., Cleveland, plans 3 to 5 story auto sales and service building, fireproof construction, half of block bounded by Market, 11th, 12th and Mission Sts. $600,000 or more. G. A. Urquhart, 1490 Market St., San Francisco, vice pres.

**Calif., San Francisco**—Dormitory—Glad Tidings Tabernacle, Inc., and Bible Training School, c/o Gunnison & Merritt, archts., 57 Post St., had plans prepared 6 story and basement, rein.-con., Ellis St., $150,000.

**Calif., San Francisco**—Hotel—A. Vayssie, c/o Fabre & Hildebrank, archts., 110 Sutter St., had plans prepared 6 story and basement, steel and rein.-con., Eddy and Jones Sts. $300,000.

**Calif., San Francisco**—Post Office—J. Kulp & Co., 33 South La Salle St., Chicago, plans 4 story and basement, 141 x 200 x 289 ft., fireproof, The Embarcadero, U. S. Government, lessee.

## BIDS DESIRED

**Mass., Revere**—School—City taking bids and opens same in January, 2 story and basement, 80 x 125 ft., brick, plain foundation, Garfield St. To exceed $150,000. E. I. Wilson, 109 State St., Boston, archt.

**Mass., Salem**—School—School Com. taking bids and opens same about Jan. 15, 3 story and basement, 68 x 130 ft., brick, plain foundation, Washington Sq. $200,000. J. H. Bickford, 6 Beacon St., Boston, archt. Noted Nov. 30, 1923.

**Conn., Bridgeport**—Church, etc.—Trinity Episcopal Church, Fairfield Ave. and Broad Sts., will let contract about Dec. 28, 1 story, 69 x 144 ft., church and 2 story and basement parish house, brick, tile and local stone, plain foundations, Washington Ave. $150,000. O. B. Wilkins and E. B. Caldwell, Jr., 884 Main St., archts.

**N. Y., St. George**—School—Jan. 3, by Superintendent Bd. Educ., 500 Park Ave., New York, P. S. 16, brick, steel and stone, plain foundation, Daniel Low Terrace through to Monroe Ave., here. W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, archt. and engr.

**Pa., Phila.** — Apartment — Dec. 24, by Hoffman-Henon Co., archts., Finance Bldg., three 4 story and basement, 46 x 104 ft. brick and steel, plain foundation, City Line. Owner's name withheld.

**Pa., Phila.**—Bank—Dec. 22, by Stearns & Woodnutt, archts., St. Girard Bldg., 1 story, 70 x 114 ft. rein.-con. and steel, plain foundation, 433 Frankford Ave., for Frankford Trust Co., 4344 Frankford Ave.

**Pa., Wilkes-Barre**—Church—Jan. 1, by R. Herr, archt., Simon Long Bldg., 1 story and basement, 65 x 110 ft. brick and stone, South River St. for Temple Israel, South Washington St. $175,000.

**Md., Baltimore**—Church—Jan. 3, by C. N. and N. Friz, archts., Lexington Bldg., 1 story, 130 x 140 ft., stone, plain foundation, Liberty Heights and Granada Ave., for First Baptist Church. $150,000.

**Md., Baltimore**—Ward, etc.—Dec. 28, by W. G. Beecher, archt., 12 East Pleasant St., 3 story ward buildings, boiler house, laundry and garage, brick, plain foundation, Green Spring Ave. and 41st St., for Children Hospital School. $175,000.

**N. C., Wilson**—Court House—Jan. 8, by Comrs. Wilson Co., court house. $300,000. F. A. Bishop, Petersburg, Va., archt. Noted Aug. 30.

**O., Cleveland**—Commercial and Apartment—J. F. Mandle, 1500 Coit Rd., taking bids 3 story and basement, 50 x 90 ft., brick and timber. $150,000. P. T. Cahill, 4502 Prospect Ave., archt.

**O., Mayfield** (South Euclid P. O.)—School Dec. 22, by Bd. Educ., c/o H. Adelson, Mayfield Rural School Dist., 2 story, brick, steel and concrete. $150,000. Fulton & Taylor, 8120 Euclid Ave., Cleveland, archts.

**Ind., Imdianapolis**—Hotel—E. G. Spink & Co., Hume-Mansur Bldg., will build by separate contracts 12 story and basement, 50 x 102 ft., rein.-con. and brick, McCrea St. $900,000. Private plans.

**Wis., Milwaukee**—Service—Dec. 27, by School Bd., 3 story, 147 & 170 ft. concrete and brick, 11th St.

**Tex., Ft. Worth**—Hospital—Jan. 1, by Ft. Worth Methodist Hospital c/o W. G. Clarkson & Co., archts., First Natl. Bank Bldg., 9 story, rein.-con. and brick, plain foundation, Cannon St. $1,000,000. G. W. Williams, Boston, Mass., engr. Noted July 12.

**Tex., Houston**—Library—City Com. taking bids 3 story and basement, brick concrete and stone. $200,000. W. W. Watkins, Scanlan Bldg., archt. Noted Oct. 11.

**Tex., Texarkana** — Hotel — Jan. 3, by Mann & Stern, archts., A.O.U.W. Bldg., Little Rock, Ark., 8 story, rein.-con., brick, steel and stone, for Texarkana Hotel Co. $300,000.

**Ariz., Tucson**—Library—Jan. 3, by Bd. Regents, c/o Lyman & Place, archts. and engrs., 79 North Stone Ave., 3 story and basement, 42 x 110 x 194 ft., brick, terra cotta, steel and rein.-con., on campus, here. $405,000. Former bids rejected. Noted Nov. 8.

**Calif., Los Angeles**—High School—Dec. 26, by Bd. Educ., 2 and 3 story high school group, 135 x 247 ft. and 44 x 144 ft., rein.-con. and brick, Record St. and Brooklyn Ave. $300,000. E. H. Cline, 743 North Wilton Ave., archt.

**Calif., Los Angeles**—Hotel and Store—L. L. Smith, archt., Byrne Bldg., receiving bids 14 story and basement, rein.-con., South Main St., for W. W. Paden, Story Bldg. To exceed $500,000. Noted Oct. 4.

**Calif., Los Angeles**—Store and Office—Norton & Willis, archts., 716 South Spring St., receiving bids 13 story, 58 x 135 ft., Class A construction, 7th and Spring Sts., for Cahn-McCabe Co., 716 South Spring St.

**Calif., Petaluma** — Bank — Sonoma Co. Natl. Bank will build 1 story and basement, rein.-con., by separate contracts under supervision of H. H. Winner Co., archts., Sharon Bldg., San Francisco. $150,000.

**Calif., San Francisco**—Exchange—Bliss & Faville, archts., Balboa Bldg., taking bids 3 story and basement, Class A construction, Bush and Larkin Sts., for Pacific Telephone & Telegraph Co., 333 Grant Ave. $300,000. Noted Dec. 6.

## BIDS RECEIVED

**D. C., Wash.**—School—Dist. Comrs., 509 Dist. Bldg., constructing Armstrong Manual Training School, (1) work complete, from G. E. Wyne, Home Life Bldg., (1) $469,700, $75, Alternate (2) $18,000, Alternate (3) $1,000; Schneider-Spliedt Co., 1416 F St., N. W., (1) $481,900 piles $65 each, Alternate (1) add $300, Alternate (2) deduct $10,000, Alternate (3) deduct $1,200; alternate on electric work (b) $200. Noted Nov. 29.

**O., Mt. Vernon**—School—Bd. Educ. Dec. 10, 2 story and basement, 64 x 146 ft., brick and concrete, from Taylor & Owen, Coshocton, $93,245. Noted Nov. 29.

**Ia., Cedar Falls**—Dormitory—State Bd. Educ., Des Moines, 3 story and basement, rein.-con., brick, tile and stone addition to Iowa State Teachers College, here, from Tapager Constr. Co., Albert Lea, Minn., $136,867. Noted Nov. 22.

**Minn., St. Paul**—School—Summit School Corp., 655 Holly Ave., 2 story and basement, rein.-con., brick, tile and stone, Goodrich Ave. and Dunlap St., from P. O. Nasvik, 1368 Ashland Ave. Cost complete $175,000. Noted Sept. 27.

**Calif., San Francisco**—Orphanage—Bliss & Faville, archts., Balboa Bldg., 3 story administration building, six 2 story concrete and stucco cottages, and 1 story, rein.-con. laundry and power house, on

Buildings (Continued)

**10 acre site, bounded by 28th and 30th Aves., Vicente and Wawona Sts., from Lindgren-Swinerton, Inc., Standard Oil Bldg., $350,000. for San Francisco Protestant Orphanage Society, c/o architects. Noted Aug. 9.**

**CONTRACTS AWARDED**

**Mass., Boston**—Hospital—Massachusetts Women's Hospital, 3 story and basement, 80 x 120 ft., brick and stone, wood pile foundation, 53 Parkerhill Ave., to D. Donaldson, 99 Pine St., Belmont (Boston P. O.), $150,000. Noted Sept. 27.

**Conn., Hartford** — High School — High School Comn., 3 story, brick and steel, plain foundation, Maple Ave., to Southern New England Contg. Co., 703 Main St., $1,170,125. Noted Dec. 13.

**N. Y., Brooklyn**—Apartment—Chalven Court Constr. Co., c/o Kleswetter & Hamburger, archts. and engrs., 186 Remsen St., will build 4 story, brick, steel and stone, Bay Pkway., by day labor. $150,000.

**N. Y., Brooklyn**—Apartment—Hicklow Constr. Co., c/o W. I. Hohausen, archt. and engr., 116 West 39th St., New York, will build 5 story, 100 x 200 ft., brick, steel and stone, Bedford Ave., here, by day labor. $300,000.

**N. Y., Brooklyn**—School—Bd. Educ., 500 Park Ave., New York, P. S. 202, brick, steel and stone, plain foundation, Hegeman and Atkins Aves., here, to G. Colon & Co., 81 East 125th St., New York, $996,400. Noted Dec. 6.

**N. Y., Elmhurst**—Apartment—S. Evans, c/o Stone Bros., archts. and engrs., 361 Stone Ave., Brooklyn, will build 4 story, brick, steel and stone, Jackson Blvd., here, by day labor. $250,000.

**N. Y., New York**—Apartment—A. Blumenthal, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, brick, steel and stone, Harrison Ave., by day labor. $350,000.

**N. Y., New York**—Apartment—C. Mark Realty Corp., c/o Springsteen & Golhammer, archts. and engrs., 32 Union Sq., will build 6 story, brick, steel and stone, Haven Ave., by day labor. $400,000.

**N. Y., New York**—Apartment—M. Minskoff, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 6 story, brick, steel and stone, Stebbins Ave., by day labor. $350,000.

**N. Y., New York**—Apartment—S. Minskoff, c/o Margon & Glaser, archts. and engrs., 2804 3rd Ave., will build 6 story, 150 x 150 ft., brick, steel and stone, Kingsbridge Rd., by day labor. $500,000.

**N. Y., New York** — Apartment — One Thirty-Six East Thirty-Sixth St. Corp., will build brick, steel and stone, East 36th St., by day labor. $500,000. G. F. Pelham, 200 West 72nd St., archt. and engr.

**N. Y., New York**—Apartment—S. Root, c/o C. B. Meyers, archt. and engr., 31 Union Sq., will build 6 story, brick, steel and stone, West 44th St., by day labor. $250,000.

**N. Y., New York**—School—Bd. Educ., 500 Park Ave., P. S. 71, Roberts and Jarvis Aves., to G. Colon & Co., 81 East 125th St., $772,000. Noted Dec. 13.

**N. Y., Richmond Hill** (Branch of Jamaica) — School — Bd. Educ., 500 Park Ave., New York City, P. S. 121, 109th Ave. between 126th and 127th Sts., here, to Oscawana Building Co., 110 East 42nd St., New York, $785,700. Noted Dec. 13.

**Pa., Greensburg**—School—School Dist., 2 and 3 story, 120 x 300 ft., to Natl. Concrete Fireproofing Co., Citizens Bldg., Cleveland, O., $250,000.

**Pa., Phila.** — Office — Insurance Co. of North America, 3rd and Walnut Sts., 16 story, 147 x 220 ft. steel, brick, granite, limestone and terra cotta, 16th and Arch Sts., to Stone & Webster, Real Estate Trust Bldg., $3,000,000. Sub contracts will be taken about Jan. 1 by contractor.

**Del., Newark** — Library — University of Delaware, 2 story and basement, 83 x 188 ft., brick and steel, plain foundation, to Delaware Schcol Auxiliary Assn., Dupont Bldg., Wilmington, $250,000. Noted May 3.

**Md., Baltimore**—School—Calvert School, Inc., c/o L. H. Fowler, archt., 347 North Charles St., 2 story, 110 x 160 ft., brick, plain foundation, University Circle and 40th St., to Consolidated Eng. Co., Calvert Bldg., $165,000. Archts. est. $150,000. Noted Nov. 22.

**N. C., Greensboro**—College—North Carolina College for Women, 2 dormitories, physical education building and addition to dining hall, general contract to J. A. Jones, Realty Bldg., Charlotte. $453,500; heating, to B. McKenzie, Greensboro, $45,805; plumbing, to W. P. Donaldson, Greensboro, $34,577. Noted Nov. 15.

**Fla., Melbourne** — Hotel — Melbourne Building and Investment Co., 3 story steel, to E. H. Barbo, West Palm Beach, $315,000.

**Miss., Jackson**—Bank—First Natl. Bank Bldg. 3 story, South Congress and Capitol Sts., to Sumner & Sollit Co., Natl. Bank of Commerce Bldg., San Antonio, Tex., $250,000.

**O., Cincinnati**—Apartment—Fourth and Bway. Apartments Co., 4th and Main Sts., 12 story, rein.-on., 4th and Bway., to Ferro Concrete Constr. Co., 3rd and Elm Sts., $700,000. Noted Sept. 27.

**O., Cleveland** — Apartments — S. Kraus, 8902 Kempton Ave., two 3 story and basement, 32 x 165 ft. brick and wood, 832-836 Lakeview Rd., to M. Berkoff, 3346 East 135th St., $160,000.

**O., Cleveland Heights** (Warrensville P. O.)—Commercial and Apartment—H. Caplan, 3464 East 123rd St., Cleveland, masonry contract 2 story and basement, 54 x 128 ft., brick and timber, Coventry and Hampshire Rds., here, to B. Zuckerman, 11605 Kinsman Rd., Cleveland. Archts. est. $150,000.

**O., Lakewood** (Cleveland P. O.)—Apartment)—W. M. Blusinsky, 508 Ulmer Bldg., 3 story and basement, 94 x 115 ft. brick, 202 Atkins Ave., to S. Friedman, 9920 Somerset Ave., Cleveland, $150,000. Noted Dec. 6.

**O., Lakewood** (Cleveland P. O.)—High School—Bd. Educ., 1456 Warren Rd., 2 story and basement, 89 x 259 ft., concrete, brick and steel, Hilliard Rd., to F. H. Vogel, Ridge Rd., Cleveland, $361,000. Noted Dec. 13.

**O., Lima** — High School — Bd. Educ., 2 story and basement, rein.-con. and brick, to Green & Sawyer, Lima, $123,799. Noted Dec. 13.

**Mich., Flint**—Theatre, Bank and Offices—Flint Bldg. Corp., 415 Genessee Bank Bldg., general contract 6 story, 153 x 334 ft., rein.-con. and steel, to Wells Bros. Constr. Co., 53 West Jackson Blvd., Chicago, $2,500,000.

**Ill., Belleville**—High School—Bd. Educ., general contract 2 story and basement, brick, rein.-con. and stone auditorium to S. M. Wilson, Granite City, $138,000, gymnasium to Boyer Contg. Co., Kennett, Mo., $9,900; heating for both to Karr Supply Co., 129 West Main St., Belleville, $38,357. Noted Oct. 4.

**Ill., Joliet**—High School—Bd. Educ., 4 story, 145 x 145 ft., rein.-con., brick, stone and steel, Eastman Ave., to Schmidt Bros. Constr. Co., 22 East Huron St., Chicago. Archts. est. $500,000. Noted June 7.

**Wis., Milwaukee**—Apartment—J. Hunholz, 2310 Vliet St., concrete work for two 8 story and basement, 52 x 100 ft. concrete and brick, plain foundation, Mason St., to Cutter Costr. Co., 886 46th St. Noted Nov. 22.

**Ia., Ames**—Dormitory—State Bd. Educ., Des Moines, general contract 3 story and basement, rein.-con., brick and stone, on campus of Iowa State College here, to F. M. Eller, Ames, $129,000.

**Ia., Des Moines** — Store, etc. — Brown-Camp Hardware Co., 330 Southwest 5th St., 6 story and basement, 128 x 288 ft., rein.-con. and brick store and warehouse, West 1st and Elm Sts., to A. H. Neumann & Co., Hubbell Bldg., $450,000.

**Minn., Slayton**—School—Bd. Educ., 2 story and basement, rein.-con., brick and tile, general contract to F. W. Fais, Spencer, Ia., $95,331. Noted Nov. 22.

**Minn., St. Paul**—Gymnasium, etc.—Macalester College, Grand and Snelling Aves. ,2 story and basement, 88 x 188 ft., rein.-con., brick and stone, to James Leck Co., 316 South 7th St., Minneapolis, $138,000. Noted Nov. 22.

**Mo., St. Louis**—High School—Bd. Educ., 911 Locust St., general contract William Beaumont High School, 3 story, 307 x 375 ft., rein.-con., brick, steel, stone and terra cotta, Natural Bridge Rd., to H. C. Gerhard Building Co., Century Bldg., $1,240,000; heating and ventilating apparatus, to Sodeman Heating & Power Co., 23rd and Morgan Sts., $156,447; plumbing, to H. D. M. Doerner, 2701 South Bway., $93,315. Noted Dec. 13.

**Tex., Dallas**—Office—Lone Star Gas Co., Amer. Exch. Bank Bldg., 4 story and basement, brick, concrete and steel, to H. O'Rourke, Wilson Bldg., $175,000. Noted July 13.

**Calif., Long Beach** — Apartment and Store—C. H. and F. Stillwell, 115 American Ave., 12 story and basement, rein.-con., 3rd and Cedar Aves., to Vaughan Constr. Co., Chapman Bldg., Los Angeles, to exceed $750,000. Noted June 21.

**Calif., Los Angeles**—Auditorium, etc.—Hollywood High School Dist., 2 story and basement, rein.-con. and brick auditorium and boiler house, to Olcester & Kerr, 1528 Ramona Ave., South Pasadena, $240,800. Noted Dec. 6.

**Calif., Los Angeles**—Exchange—Southern California Telephone Co., 740 South Olive St., 4 story and basement, brick and steel addition, Rampart St., to J. Matos, 753 South San Pedro St., $195,000.

**Calif., Los Angeles**—Hotel—L. Chait, c/o L. L. Jones, archt., Grosse Bldg., will build 5 story and basement, rein.-con., Camnota Ave. and Acacia St., by day labor. $175,000.

**Calif., Los Angeles** — Loft — Ways & Press, 311 East 4th St., 3 story and basement, 113 x 129 ft., 9th and San Pedro Sts., to Los Angeles Building and Contg. Co., Marsh-Strong Bldg., 178,000.

**Calif., San Francisco**—Bungalow Apartment—L. Heilmann, 645 Bush St., will build group of 18 buildings, 1 story, frame and stucco, Bay and Larkin Sts., by day labor. $150,000. G. Stahlberg, Flatiron Bldg., archt. Noted Dec. 13.

**Calif., San Francisco** — Office — Pacific Telephone & Telegraph Co., 333 Grant Ave., 26 story and basement, steel and rein.-con., New Montgomery St., to Lindgren-Swinerton Co., Inc., Standard Oil Bldg., $2,500,000.

**Calif., Stockton**—College—College of the Pacific, college buildings, general contract to R. W. Moller, Call Bldg., San Francisco, $526,125; power, heating, ventilating, plumbing, gas fittings and sheet metal work to Miller Hayes Co., 125 North California St., $102,500; electric work to F. E. Newberry Electric Corp., 381 Bush St., San Francisco, and Commercial Electric Co., 311 East 12th St., Stockton, $77,900. Noted Dec. 13.

**Ont., Ottawa**—Archives—Dept. Pub. Wks. Dominion Government, rein.-con. and stone, Sussex St., to P. Lyall & Son Constr. Co., Ltd., 5000 Western Ave., Montreal, Que., $338,000. Noted Oct. 25.

**Que., Montreal**—Office—Montreal Harbor Comrs., 3 story, 54x108 ft. rein.-con., brick and steel, Victoria Pier, to Colles & Freres, 1243 St. Hubert St., $150,000. Noted Dec. 13.

# Federal Government Work

**PROPOSED WORK**

**Mass., Thatchers Island**—Radio Station—Spec. 4932—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans radio compass station, here.

**D. C., Wash.**—White House—Treasury Dept., Wash., D. C., J. A. Wetmore, acting superv. archt., preparing plans 3 story and basement, 100 x 100 ft. stone and brick addition. $400,000. C. O. Sherrill, Room 1056, New Navy Bldg., 19th and B Sts., N. W., will probably take bids.

**Ky., Louisville**—Cement—U. S. Engineer, P. O. Box 72, plans to purchase 35,000 bbl. cement for lock at Dam 46, Ohio River.

**Ky., Owensboro**—Forgings, Castings, etc.—U. S. Engineer, P. O. Box 72, Louisville, plans to purchase 10 tons cold rolled steel forgings, 1,700 lb. phosphor bronze castings, 28 tons reinforcing bars, etc., for river wall valves, Dam 46, Ohio River, here.

**Ill., Great Lakes**—Coal Bunkers, etc.—Spec. 4929—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids coal storage bunkers and railroad siding at Naval Training Station, here. Noted Dec. 6.

**Calif., Presidio** (San Francisco P. O.)—Warehouse — Constructing Quartermaster, Ft. Mason, having plans prepared 3 story, 95 x 900 ft. rein.-con. warehouse, here.

**Calif., San Diego**—Barracks—Spec. 4933—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans barracks and storehouse, at Naval Base, here. Noted June 27 under Spec. 4765.

**Porto Rico, San Juan**—Quarters—Spec. 4909—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids double quarters and auxiliary buildings, at Naval Radio Station, here. Noted Dec. 6.

**BIDS DESIRED**

**N. J., Lakehurst**—Material, Piping, etc.—Dec. 27, in Room 6117, Interior Dept., Wash., D. C., furnishing labor, material, piping, concrete and electrical work for installation in and around generator building, U. S. Naval Air Station, here.

**Pa., Phila.**—Scow—Jan. 9, by U. S. Engineer, Schaaf Bldg., 1505 Race St., constructing one 60 x 22 x 5 ft. 11 in. wooden scow, to be delivered at Ft. Mifflin, here.

**D. C., Wash.**—Filtration Plant, etc.—Jan. 15 at office U. S. Engineer, 250 Old Land Office Bldg., Wash., D. C., filtration plant and pumping station substructures for District of Columbia water supply system; adv. E. N.-R. Dec. 20.

**D. C., Wash.**—Underpinning Foundations—Spec. 4934—Jan. 9 by Bureau Yards & Docks, Navy Dept., Wash., D. C., underpinning foundations to Navy Building, here.

**N. C., Cape Hatteras** — Storage and Recreation—Spec. 4931—Jan. 9 by Bureau Yards & Docks, Navy Dept., Wash., D. C., storage and recreation room, here.

**N. C., Poyner's Hill**—Quarters and Boathouse—Spec. 4907—Jan. 9, by Bureau Yards

Federal Government Work (Continued)

& Docks, Navy Dept., Wash., D. C., remodeling quarters and constructing boathouse, here. Noted Sept. 20.

Ga., **Fort Benning**—Quarters—Dec. 26, at office Constructing Quartermaster, six double sets officers quarters, here; adv. E. N.-R. Dec. 20. Former bids rejected. Noted Nov. 29.

Ky., **Louisville**—Operating Machinery—Dec. 22 (extended date) at office U. S. Engineer, P. O. Box 72, operating machinery for Dams 44 and 45, Ohio River. Noted Nov. 22.

Wis., **Milwaukee**—Scows and Barge—Jan. 16, at office U. S. Engineer, steel dump scows and barge; adv. E. N.-R. Dec. 20.

Wash., **Keyport**—Extension to Building—Spec. 4926—Jan. 2, by Bureau Yards & Docks, Navy Dept., Wash., D. C., extension to operating building, here. Noted Nov. 29.

H. T., **Pearl Harbor**—Storehouse—Spec. 4911—Feb. 6 by Bureau Yards & Docks, Navy Dept., Wash., D. C., paint and oil storehouse, here. Noted Oct. 4.

**BIDS RECEIVED**

Pa., **Allentown** — Remodeling — Treas. Dept., Wash., D. C., remodeling U. S. Post Office, here, from Garber & Cissel, Inc., 203 West 4th St., Bethlehem, $9,000. Noted Nov. 15.

Ala., **Montgomery**—Towboat—U. S. Engineer, 1 steam towboat, from Johnson Iron Wks. and Fdry. Co., Morgan and Seguin Sts., New Orleans, La., $171,000. Noted Nov. 8.

Ind., **Clinton**—Post Office—Treas. Dept., Wash., D. C., construction of U. S. Post Office, here, from D. Bright, Clinton, $43,000.

Ind., **South Bend**—Post Office—Treas. Dept., Wash., D. C., constructing extension to U. S. Post Office, here, from Platz & Gill South Bend, $7,156. Noted Nov. 22.

Wis., **Ripon**—Post Office—Treas. Dept., Wash., D. C., construction complete incl. mechanical equipment, U. S. Post Office, here, from J. Laureitzen, Fergus Falls, Minn., $49,995. Noted Nov. 22.

Okla., **Oklahoma City** — Pump — Treas. Dept., Wash., D. C., deep well pump, here, from J. L. Powers, Bennettsville, S. D., $2,300. Noted Nov. 22.

**CONTRACTS AWARDED**

Mass., **Hingham**—Repairs to Seawall—Spec. 4908—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to walls of slip at Naval Ammunition Depot, here, to Cement Gun Co., Inc., Allentown, Pa., $9,200. Noted Nov. 15.

N. Y., **Hoosick Falls**—Post Office—Treas. Dept., Wash., D. C., constructing U. S. Post Office, Main St., here, to Sarles Constr. Co., 527 5th Ave., New York, $58,564. Noted Nov. 15.

N. Y. **New York**—Dredging, etc.—U. S. Engineer, Army Bldg., 39 Whitehall St., dredging and rock removal in East River, to Bridgeport Dredge and Dock Co., 1024 Main St., Bridgeport, Conn., $261,430. Noted Nov. 15.

N. Y., **New York**—Dredging, etc.—U. S. Engineer, 1st Dist., Army Bldg., 39 Whitehall St., dredging and rock removal in East River, to F. H. Lovell Co., Arlington, N. J., $3,033. Noted Nov. 1.

Pa., **Pittsburgh**—Cement—U. S. Engineer, furnishing 53,000 bbl. cement for lock construction on Monongahela River, to Universal Portland Cement Co., Frick Bldg., $2.30. Noted Dec. 6.

Va., **Fort Monroe** — Steel Tank — Constructing Quartermaster, elevated steel water tank, here, to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., $17,400.

S. C., **Clinton**—Post Office—Treas. Dept., Wash., D. C., 1 story, 62 x 64 ft., brick and tile, here, to Perkins Constr. Co., Greenville, $42,485. Noted Nov. 1.

Ga., **Fort Benning**—Hospital—Constructing Quartermaster, hospital building, here, to E. A. Boehl Co., Leavenworth, Kan., $268,713. Noted Nov. 29.

La., **New Orleans**—Barge—U. S. Engineer, Custom House, one steel barge to Dravo Contg. Co., Diamond Bldg., Pittsburgh, Pa., $20,400. Noted Nov. 1.

La., **New Orleans**—Steel Oil Barges—U. S. Engineer, 1 steel oil barge to Johnson Iron Wks., Drydock and Shipbuilding Co., Morgan and Seguin Sts., $21,420; 1 steel oil barge to W. P. Copping Steel Plate and Iron Wks., Inc., 401 North St. Patrick St., $27,400.

Ky., **Louisville**—Barges—U. S. Engineer, for steel barges, sixteen 6½ x 56 x 110 ft. steel barges, to American Bridge Co., Ambridge, Pa., $256,550; two 7½ x 36 x 120 ft. steel barges with cargo boxes, to Nashville Bridge Co., foot of Shelby St., Nashville, Tenn., $57,440; two 5 x 25 x 100 ft. steel barges without cargo boxes, to C. Hegewald & Co., New Albany, Ind., $30,900. Noted Dec. 6.

H. T., **Pearl Harbor**—Storehouse—Spec. 4859—Bureau Yards & Docks, Navy Dept., Wash., D. C., 1 story, 120 x 480 ft., steel and concrete storehouse at Naval Operating Base, here, to David & Nicholson, 324 West Lafayette St., Stockton, Calif., $173,374 (240 days). Noted Nov. 22.

# Unclassified

**PROPOSED WORK**

**Memorial — Hartford, Conn.** — Park Bd., Municipal Bldg., appropriated $25,000 for war memorial.

**Gas Mains—Fort Myers, Fla.**—See "Industrials."

**Wharf and Shed—New Orleans, La.**—Dock Bd. plans wharf and shed along river at St. Joseph St. $1,000,000. J. H. Walsh, genl. mgr.

**Street Lighting System—Oconomowoc, Wis.** — Making plans ornamental street lighting system on West Ave., Milwaukee, North and South Main Sts., 100 iron standards and lamps. $25,000. J. A. Stemper, City Hall, engr.

**Park Improvements—Eureka, Calif.**—City plans election to vote on $65,000 bond issue for park improvements.

**Street Lighting System—Oakland, Calif.**—City plans street lighting system on Bway. between 14th and 24th Sts. $50,000.

**Transmission Lines—Willits, Calif.**—See "Dam."

**BIDS DESIRED**

**Bulkhead—Long Island City, N. Y.**—Dec. 28, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., bulkhead at end of 3rd St., on westerly side of Dutch Kills Creek.

**Heating and Ventilating Apparatus — Brooklyn, N. Y.**—Dec. 28, by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., heating and ventilating apparatus in P. S. 205, 20th Ave. from 67th to 68th Sts., for Bd. Educ., 500 Park Ave., New York.

**Swimming Pool—Taylor, Tex.**—Jan. 7, by city, rein.-con. swimming pool and tile dressing room. $25,000. Giesecke & Harris, Austin, archts.

**Transmission Towers — San Francisco, Calif**—Jan. 9 by Bd. Pub. Wks., furnishing steel transmission towers for Mocassin Creek Power Plant of Hetch Hetchy Project, incl. 394 standard towers, 98 heavy duty towers and 12 transmission towers with foundation stubs, 3 special towers with foundation steel and 60,000 lb. tower extension steel. Towers divided into 4 general types: (1) standard (2) heavy duty (3) transposition (4) special towers. $500,000. M. M. O'Shaughnessy, city engr.

**CONTRACTS AWARDED**

**Concrete Wall—Hartford, Conn.**—South School Dist., underpinning school wall, concrete, to Foundation Co., 120 Liberty St., New York City. Engrs. est. $25,000.

**Heating, Ventilating, Plumbing, etc. — Phila., Pa.**—F. H. Caven, dir. Pub. Wks., 216 City Hall, and Bd. Trustees Free Library of Phila., heating and ventilating system for free library, Vine, 20th, Wood and 19th Sts., to J. Cooney, 210 North 4th St., Harrison, N. J., $397,500; plumbing, etc., to W. G. Cornell Co., Colonial Trust Bldg., $236,000. Noted Nov. 29.

**Culverts, etc.—Clearwater, Fla.**—Pinellas Co. concrete culverts, fills, bulk heading, etc., on various roads, to Latham & Ward, Dade City, $62,440.

**White Way — Chattanooga, Tenn.** — Bd. Comrs., "White Way" system on Main St., to Tennessee Electric Power Co., Chattanooga. Est. cost to exceed $25,000. Noted Nov. 22.

**Foundation—Louisville, Ky.**—See "Proposed Work Under Buildings."

**Track Elevation—Cleveland, O.**—Cleveland Electric Illuminating Co., c/o R. Lindsey, genl. mgr., Pub. Sq., elevating 350 ft. track, concrete piers, wood and steel platform, to S. W. Emerson Co., Union Bldg., $40,000.

**Amusement Park—Houston, Tex.**—Houston Amusement Park Co., 2200 Houston Ave., will construct walks, drives, riding devices, etc., by day labor. $100,000.

**Concrete Tanks—San Antonio, Tex.**—San Antonio Portland Cement Co., Lakeview Ave., 3 concrete stacks, 8 ft. 6 in. diameter at top, 201 ft. high, 213 ft. overall length, incl. 330 cu.yd. earth excav., 700 cu.yd. rein.-con., 50,000 fire brick, to J. De Puy, Bedell Bldg., $23,290. Noted Nov. 29.

# Materials and Equipment

**PROPOSED WORK**

**Road Machinery—Wisconsin**—Following are county appropriations for road machinery during 1924: Kewaunee Co. $6,000, H. Griese, Algonta, comr.; Iron Co. $10,000 incl. tractor and snow plow, W. Webber, Saxon, comr.; Jefferson Co. $19,000 incl. tools and machine shop equipment, also 1 scarifier, R. D. Royce, Ft. Atkinson, comr.; Burnett Co. $2,000 incl. large tractor, grader and patrol graders, G. E. Miller, Webster, comr.; Rusk Co. $7,000, incl. 6 patrol graders, 10 or 15 ton tractor and four trucks, P. Koehler, Ladysmith, comr.; Portage Co. $35,000 incl. 2 stone crushers, 4 trucks, some graders, scrapers, etc. J. T. Henton, Portage, comr.; Ozaukee Co. $17,500 incl. small tools and snow removal machinery, W. J. Ubbink, Port Washington, comr.

**Road Machinery—Wisconsin**—Following are county appropriations for road machinery during 1924. Eau Claire Co. $25,000, incl. rock crusher, patrol graders, etc., G. Osborne, Eau Claire, comr.; Dodge Co. $5,000, E. T. Klug, Juneau, comr.; Langlade Co. $14,000, C. Olsen, Antigo, comr.; Dane Co. $15,000, incl. tractor and oiling equipment, J. R. Caldwell Madison, comr.; Buffalo Co. $3,000, incl. patrol graders, J. Reinhardt, Nelson, comr.

**Crusher — Rush Tower, Mo.** — Missouri Marble Quarries, Inc., St. Louis, plans to purchase crusher to handle waste and which also could be used for road building material. $75,000. G. J. Breaker, Boatmen's Bank Bldg., St. Louis, one of incorporators.

**BIDS DESIRED**

**Tractors, etc.—Ballston Spa, N. Y.**—Bd. Supervs. Saratoga Co. taking bids four 10 ton caterpillar type tractors, 1 Fordson type tractor, 4 rotary type snow plows and 1 plow. J. E. Hodgman, supt. highways.

**Road Oil—Madison, Wis.**—Dane Co. Bd., c/o J. R. Caldwell, comr., taking bids road oil for approximately 100 mi. gravel roads. $100,000 appropriated. Private plans.

**Stone, etc.—Oshkosh, Wis.**—Winnebago Co. Road & Bridge Comn., c/o W. H. Hoppe, secy., taking bids 16,000 cu.yd. crushed stone and 8,000 cu.yd. gravel, 40 tons ⅞ in. round steel, for road work next season.

**Bridge Material—Allison, Ia.**—Dec. 26, by Auditor Butler Co., furnishing 3 cars 2 in. oak bridge flooring and 6 cars No. 1, rough fir bridge plank.

**Lumber — Indianola, Ia.** — Dec. 28, by Auditor Warren Co., 5,420 ft. piling, 203,000 ft. fir bridge lumber and 110 posts. R. E. Boyle, co. engr.

**Lumber—Montezuma, Ia.**—Dec. 26, by Auditor Poweshiek Co., 180,290 ft. fir lumber. C. E. Olson, co. engr.

**Reinforcing Steel Rods, etc.—St. Paul, Minn.**—Dec. 26, by H. W. Austin, city purch. agt., 418 tons reinforcing steel rods; 10,000-gal. tank car of low test gasoline. G. M. Shepard, city engr.

**Grader—Marlin, Tex.**—Auditor of Falls Co. taking bids 7 ft. road grader.

**Valves and Connections—San Francisco, Calif.**—Jan. 9, by Bd. Pub. Wks., 3 Butterfly valves, each 104 in. inside diam., 1 c.i. blind flange for one side of valve, 1 steel platform extending over valves, and all operating mechanism for all valves, bypass valves and connections, all bolts and gaskets for joints and bolts for foundation and platform. Will be used in connection with Hetch Hetchy Moccasin Creek Power plant. $40,000. M. M. O'Shaughnessy, city engr.

**BIDS RECEIVED**

**Cement — Brooklyn, N. Y.** — E. Riegelmann, boro pres., Boro Hall, Dec. 12, 3,000 bbl. portland cement, from E. E. Buhler Co., 103 Park Ave., New York, $8,370. Noted Dec. 6.

**CONTRACTS AWARDED**

**Steel—Greenville, Miss.**—Furnishing steel for bridge, 60 ft. span, 18 ft. roadway, structural and reinforcing steel, to Lukens Steel Co., 626 South Peters St., New Orleans, La., $49,930.

**Wire and Cables—Austin, Minn.**—City, 124,500 lin.ft. 0-4-6-8 cable to North Western Electric Equipment Co., 174 East 6th St., St. Paul, and Pierce Electric Co., Austin, $22,514 and $9,358 respectively; 8,200 lb. 4-6-8-10 T.B.W.P. wire, to St. Paul Electric Co., 145 East 5th St., St. Paul, $1,684; switchboard and equipment to General Electric Co., 410 3rd Ave. N., Minneapolis, $7,110. Noted Nov. 29.

**Cranes, etc.—Longview, Wash.**—Long-Bell Lumber Co., one 10 ton, one 3 ton and ten 5 ton electric cranes, 5 lumber trolleys equipped with Sumner type grapple, 11 two-way switches and 6,000 ft. track, to Pawling & Harnischfeger Co., 38th St. and National Ave., Milwaukee, Wis.; 6,000 ft. conveyor belts to Pioneer Rubber Mills, 68 Sacramento St., San Francisco, Calif.

# SEARCHLIGHT SECTION

## OFFICIAL PROPOSALS

*Copy:* Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

**Rate:**
**40 Cents a Line an Insertion**

*Plans and Specifications* for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

### OFFICIAL PROPOSALS

Bids: Jan. 7.

## Notice Inviting Bids for Making Test and Core Borings at San Gabriel Dam Site and Vicinity

Los Angeles, Calif.

Notice is hereby given that sealed bids will be received by the Clerk of the Board of Supervisors of the Los Angeles County Flood Control District, State of California, until 11 o'clock a.m. of January 7, 1924, for core and test drilling, for the testing of the underlying formations for a dam site, the location of which is just below the confluence of the west fork of the San Gabriel River with the main San Gabriel River, which point is about eleven (11) miles northward from Azusa and about thirty-two (32) or thirty-three (33) miles northeasterly from Los Angeles.

The proposed contract embodies the material, equipment and labor for the drilling of approximately thirty (30) test holes, (more or less), of indefinite depths, the upper portions of the formation at the dam site being of material designated as boulder wash, and the material below the boulder wash, or detrital material, as bed rock.

The approximate amount of drilling in an indefinite number of holes through the boulder wash material and bed rock is about three thousand (3,000) lineal feet, divided into seven (7) classes—"A," "B," "C," "D," "E," "F," "G," which classes indicate the different depths below the surface and which may occur in any or all holes.

Class A, about 300 feet, more or less, in boulder wash material.

Class B, about 300 feet, more or less, in boulder wash material.

Class C, about 300 feet, more or less, in boulder wash material.

Class D, about 300 feet, more or less, in boulder wash material.

Class E, about 200 feet, more or less, in boulder wash material.

Class F, about 100 feet, more or less, in boulder wash material.

(All the six foregoing classes in these specifications to be in what is called boulder wash material.)

Class G, fifteen hundred (1,500) feet more or less, in an indefinite number of holes in the bed rock, beneath the boulder wash or beneath the boulder wash encountered in the drill holes of Classes A, B, C, D, E, and F, or in any other holes in the bed rock from which the boulder wash material has been removed, the holes to be drilled vertically, or at an angle up to sixty degrees (60°) from a vertical line, and at such places as the Chief Engineer may designate upon either side of the dam site, or its vicinity, and below the elevation of 1,380 U.S.G.S. datum.

Each bid must be in duplicate and accompanied by certified or cashier's check, payable to the Chairman of the Board of Supervisors of the Los Angeles County Flood Control District for an amount equal to at least ten per cent (10%) of the amount bid, as a guarantee that the bidder, if successful, will enter into a contract satisfactory to the Board of Supervisors, and the successful bidder will be required to file good and sufficient bonds for the faithful performance of the contract and for the payment of laborers and materialmen.

The right is reserved to reject any and all bids not suitable to the best interest of the District.

Drawings, specifications, proposal blanks and other information may be obtained on application to the Clerk of the Board of Supervisors of Los Angeles County Flood Control District, Los Angeles, California.

By order of the Board of Supervisors of the Los Angeles County Flood Control District, made November 15, 1923.

L. E. LAMPTON,
Clerk of the Board of Supervisors of the Los Angeles County Flood Control District.
By A. M. McPHERRON,
Deputy.

Date of first publication Nov. 17, 1923.
(50694)

### OFFICIAL PROPOSALS

Bids: Dec. 28.

## Bridge

STATE OF NEW JERSEY
STATE HIGHWAY COMMISSION

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commisson of New Jersey for the following:

Bids will be received at the Assembly Chamber, State House, Trenton, New Jersey, on Friday, December 28th, 1923, at the hour named below, and will be opened and read immediately thereafter.

BIDS AT 12:00 NOON (STANDARD TIME)

Construction of a bridge of 73 feet span and 30 feet roadway consisting of structural steel encased in concrete supported on concrete abutments with wing walls, including approaches of reinforced concrete on earth embankment, excavation of channel and removal of existing bridge over Passaic River, M. P. 32.2, State Highway Route No. 16, in the municipalities of Bernard and Passaic, Counties of Somerset and Morris.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of John L. Vogel, Bridge Engineer, 772 Broad Street, Newark, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10.00) upon application to Mr. John L. Vogel, Bridge Engineer, 772 Broad Street, Newark, New Jersey. Bids must be made on the standard proposal form in the manner designated therein and as required by the specifications for this work, same to be enclosed in sealed special addressed envelopes, bearing the name and address of the bidder and the work bid upon on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application to Mr. John L. Vogel, Bridge Engineer, 772 Broad Street, Newark, New Jersey. Bids not enclosed in special addressed envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provsions of the said specifications conditioned for the faithful performance of the provisions of the contract and specifications.

By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.

### OFFICIAL PROPOSALS

Bids: Jan. 8.

## Fire Escapes

Sonyea, N. Y.

Sealed proposals for Construction—Fire Escapes, at Craig Colony, Sonyea, N. Y., will be received by Mr. Percy L. Lang, President, Board of Managers, Craig Colony, Sonyea, N. Y., until 2 o'clock p.m. on Tuesday, January 8, 1924, when they will be publicly opened and read. Proposal shall be enclosed in an envelope furnished by the State Architect, sealed and addressed and shall be accompanied by a deposit consisting of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York, or money, equal to five per cent (5%) of the amount of the proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specification No. 4182. The right is reserved to reject any or all bids. Drawings and specifications may be examined at Craig Colony, Sonyea, N. Y., at the Department of Architecture, 18th Floor, Fuller Bldg., Broadway and 23rd Street, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, Sullivan W. Jones, Capitol, Albany, N. Y.

Dated: December 13, 1923.

Bids: Jan. 2.

## Sewerage System

Long Branch, N. J.

Notice is hereby given that sealed proposals will be received by the Board of Commissioners of the City of Long Branch, New Jersey, for the building of a separate sewerage system, together with a pumping station, in the northerly section of the city, and will be opened and read at a meeting of the Board of Commissioners held at City Hall on Wednesday evening, January 2, 1924 at 8 o'clock, or as soon thereafter as may be called for.

The approximate amount of work to be done consists of 11,000 feet of main sewer, 5,000 feet of connections to the curb with necessary manholes and pumping station, all as shown on plans and specifications prepared by J. Wesley Seaman, City Engineer, which may be obtained by applying to the Engineer at his office, 192 Broadway, Long Branch, N. J., upon a deposit of $10, which will be refunded upon the return of the plans and specifications in good condition at the time the bids are received.

Bids must be made on the standard proposal form, in the manner designated therein and required by the specifications, and must be enclosed in sealed envelopes bearing the name and address of the bidder and marked "Bids for Sewer," and addressed to Frank C. Quinn City Clerk and must be accompanied by a certified check for not less than 10 per cent of the amount bid on the work, drawn to the order of Frank L. Howland, City Treasurer, or cash in equal amount.

The Board of Commissioners reserves the right to reject any or all binds if deemed to the best interest of the Board so to do.

Dated, Long Branch, N. J., December 13, 1923.

FRANK C. QUINN,
City Clerk.